

Manufacturers Record

Exponent America



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Baltimore, Md.
MAY 24, 1928

Hats Off to President Coolidge for Signing the Mississippi River Bill!

Measured by the extent and vastness of the resources of the country to be benefited, by the influence which it will exert upon the development of the West and the South, and thus upon the entire country, by the confidence which it will give to a vast region that this Government has definitely undertaken to safeguard the Mississippi Valley from overflows, the Mississippi River Bill as signed by President Coolidge is the greatest economic plan ever devised for the development of this or any other country. The very heart of America is now to be protected against the danger of overflows as rapidly as the work can be carried out. Confidence will be given to the local people, to investors, and to business men generally, which will be of limitless value to the entire nation.

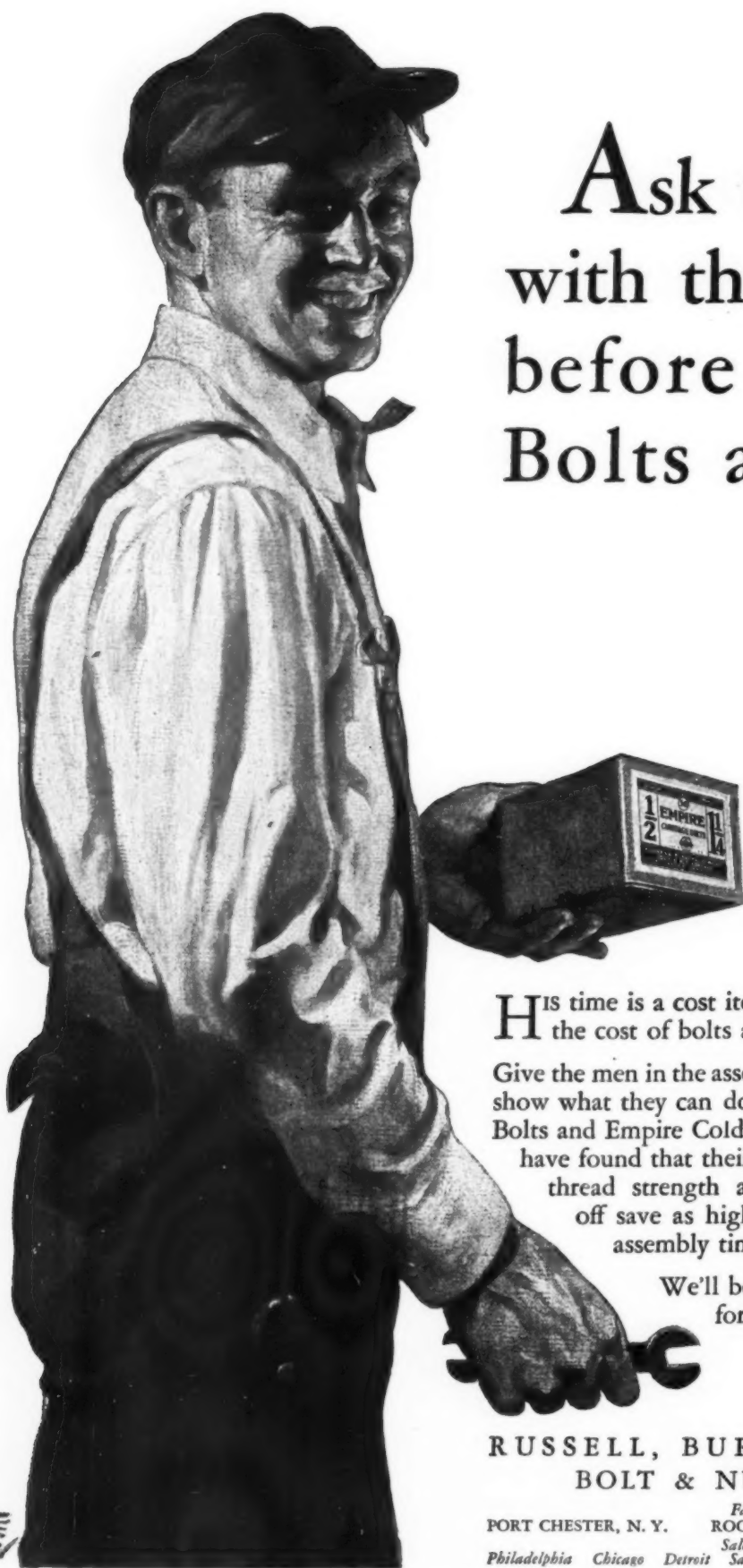
In signing this bill and promptly appointing a civilian engineer as a member of the commission, even though there were some details of the bill which did not meet his approval, President Coolidge has achieved an act of statesmanship which will redound to his credit through generations yet unborn. No equal region on the face of the earth surpasses in natural advantages and resources—with equal potentialities for development—the country which will be safeguarded against overflow by this work of the Federal Government. The bill meets the position which this paper has taken from the beginning that this entire work was a responsibility of the National Government, and should be handled and paid for in full by the Government without a heavy tax upon the states affected, as was proposed by some.

Although a special session of Congress, if it had been called last summer, would we think have more than justified the urgent appeals of those who presented the matter to President Coolidge, yet now that the bill has been passed and signed and the commission organized, the work will go forward creating optimism where there was pessimism, brightening the skies of millions of people, and causing a vast section of country to advance with the strides of the fabled Seven League Boots.

These are things for which the country can now be devoutly thankful, and give to Congress and to the President a measure of enthusiastic commendation, looking forward to this vast enterprise as one of the most momentous undertakings ever devised and worked out by human agency for the benefit of a country. In comparison with its other great enterprises of other great nations for national betterment pale into insignificance.

Well may the whole Mississippi Valley from Canada to the Gulf, from the Allegheny and Blue Ridge Mountains to the Rockies, beat a march of progress—a march which will be heard from one end of the country to the other, carrying the message that here is an empire-building task worthy of this, the greatest nation on earth, with a country having the greatest resources for the creation of wealth and the employment of people.

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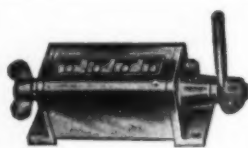
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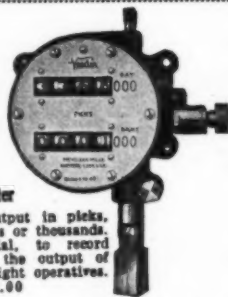
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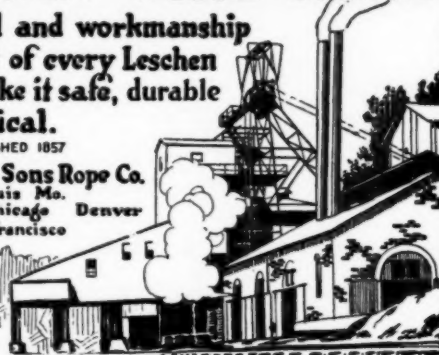
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Vol. XCIII No. 21 }
Weekly. }

BALTIMORE, MAY 24, 1928.

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Improve the Distribution Methods of American Industry.

FROM the producing end of American industry, which he describes as "only one-half of the ledger," Dr. Julius Klein of the Department of Commerce, in a recent address, turned attention to the distributing end, in which, he says, his department has estimated an annual loss of \$8,000,000,000 through inefficiency and waste. Such reputed waste in the distribution system he considers "the gravest issue now before the industrial and commercial community of this country."

First asserting that American production methods produce "maximum output records per worker as well as per industry in most of the major staples whereby the industrial supremacy of nations is appraised," Dr. Klein adds that, "if the record is to balance and if we are to achieve substantial solvency during the stress of increasing international, as well as domestic competition, and if we are to survive any temporary uncertainties which are bound to occur in various localities or trades, we must not accept our present method of operating with complacent satisfaction."

Conspicuous among the shortcomings, as his department finds them, are "careless administration of retail credits through over-extensions, slipshod installment selling and the like," the overselling of poor markets and the ignoring of good markets and "scores of other phases of our distributive processes." And many business observers will endorse another view which he thus expresses:

"It is alleged, for example, that it costs too much to distribute commodities; that the margin between producers and consumer is too great; but, when we come to examine the actual profits of wholesalers and retailers, there is no sign of any widespread opulence. In fact, they are pretty well at the bottom of the scale in terms of business income, with an average profit of 2.2 per cent in 1925, as compared with 5.9 per cent for manufacturers and 12.5 per cent for bankers."

In efforts to stimulate consumption, Dr. Klein adds, the "fundamental philosophy" put into practice has been in reduction of prices and, to permit such reduction, production costs have been curtailed. Now, he states, the time has come for the practice of efficiency and economy in distribution; yet in answer to a query, "What are you going to do about it?" propounded by the Department of Commerce

to a number of firms, 73 per cent reported that they were endeavoring to reduce production costs and "only 29 per cent indicated any efforts to cut sales expenses."

So it is that Dr. Klein urges profound and practical study of the distribution end, by American industry. In this plea, he is right.

The problem is not new, nor is the magnitude of its importance a development of this day. Over 30 years ago, United States Senator A. P. Gorman of Maryland in an address in the Senate said that the great question then before the business interests of America was the problem of distribution, rather than of production. Equally right would Senator Gorman be in these days, as is strikingly shown by Dr. Klein's figures and by a proposed call for American manufacturing and distributing interests to discuss this subject.

In a letter to leading industrial executives, President Charles J. Graham of the Bolt, Nut and Rivet Association, Pittsburgh, Pa., says, in part: "The subject of greatest importance confronting American industry is that of proper selling and distribution. There never has been a concerted move made in the history of American business for proper study of this problem." Adding, then, that the bolt, nut and rivet industry has created a distribution avenue in the hardware jobbing and mill supply field which provides a basis for general discussion of the topic, he suggests a meeting of all elements interested and presents an outline of a plan for such a national conference.

The basic principle of the plan, which has been in operation since early in 1927, Mr. Graham says, is "the elimination of the manufacturer as the distributors' leading competitor, and changing the attitude of the distributor from one of antagonism to that of a supporter of the manufacturer in a proper and lawful effort to stabilize market conditions in these products." The outline continues:

"The necessity for stabilization in all of our leading lines is more apparent today than ever before, and is a problem that is being studied not only by industrial executives, but also by the Government itself. Stabilization to a point of producing reasonable profits in all lines is the essential requirement, if we are to maintain and perpetuate present labor conditions from both the standpoint of employment and wages paid."

In other words, Mr. Graham advocates the introduction of practical business procedure in distribution, rather than further grinding down production costs, as has long been the effort in industry. The production end has been refined to the point of extremely high efficiency; it is time that the distributing end be improved in proportion.

WHAT WILL BE THE TARIFF PLATFORMS OF THE TWO PARTIES?

THAT there is need for a revision upward of the tariff was strikingly illustrated some days ago when pig iron shipped from Europe was landed at a Lake port without breaking cargo. That is only one illustration. Cement, on which there is no duty, is being shipped in great quantities especially to South Atlantic and Gulf ports. Many tons of steel products are coming into the same sections, cutting out the products of American mills. Agricultural products of Mexico and other countries where labor is cheap are crowding our markets in competition with the similar products of the entire South from Maryland to Texas. Farmers are eagerly calling for higher duties on these things to save them from competition which is endangering their business.

The cement makers need, and have a right to demand, a fair tariff on cement. The whole South is vitally interested in this situation. It needs protection for its agricultural products. It needs protection for its cement mills. It needs protection for its iron and steel industry, and the country at large needs protection for all of these and many other things.

Will the Democratic party at its Houston convention have the courage to demand a revision upward of the tariff? Will the delegates from the South who realize the need of this protection cowardly yield to the eastern influences which would break down even the tariff we have? Here is to be a test of the courage and backbone of the committee which will write the platform and of the delegates, as to whether they will make themselves heard in defense of a tariff on the things the South produces and which badly need a protective tariff.

Will the delegates from the South to the Republican convention prove recreant to their responsibility to that section? Will they, too, permit merely glittering generalities in favor of a protective tariff, or will they demand a specific carrying out of the policies of the Republican party for a tariff which would protect the industries of this country, agricultural as well as manufacturing?

Upon this tariff question depends the wages of the American working man. Break down the tariff, or fail to increase the tariff wherever it is necessary, and it will mean the breakdown of American prosperity and American wages.

Whichever party has the courage in its platform to pass a resolution demanding that the next Congress shall give ample protection to the industries now without a duty, or to those on which the duty is too low, will render an invaluable service to the nation, and will deserve in this respect at least the hearty endorsement of the people of the country.

DEVELOPMENT IN THE "GREAT SOUTHWEST."

IN a series of advertisements to appear in this paper in the interest of Houston, many interesting and accurate statements are made in regard to Texas as a whole. Here is one bound to attract attention for it is a well-worded setting forth of the truth:

"Texas—where the 'romantic South' and the 'enterprising West' join hands—is different. It's a country within a country, an empire within itself. Rich in wealth, rich in health, rich in history, this vast State holds out a rich reward for

manufacturer or sales agent who can successfully meet her needs."

In another advertisement attention is called to the fact that the agricultural and industrial development of Texas and its wealth have increased three-fold, bringing about a growth that has surprised the nation; attention is directed also to the rich oil and gas fields, the sulphur mines, to its cattle and sheep, its fig and citrus orchards, the vast cotton and rice fields and to some of the other resources which are making the great State of Texas.

TEN COTTON MILLS TO BE BUILT BY ONE COMPANY.

THE announcement previously made in the MANUFACTURERS RECORD of the organization of one company for the establishment of 10 new cotton mills in Alabama, financed in part by the purchase by Caldwell & Company of Nashville of \$3,000,000 bonds, is one of the most remarkable movements seen for many days in the industrial history of the United States. While these mills are not giant concerns, they will be large enough to help create prosperity in the 10 towns in which they are to be located.

Crawford Johnson, a Birmingham banker, and president of the company which will finance and build the mills, in a statement referring to the reasons for undertaking this work said:

"Selection of Alabama for these mills was due to the large available supply of competent American labor, the low rate for power, the proximity of cotton supplies, excellent transportation facilities, and a very favorable climate for manufacturing operations."

In securing the establishment of these mills, the Alabama Power Company has been an active factor and has once more shown its influence in the development of that State and the surrounding States.

OPPOSED TO FEDERAL FARM COLONIES.

B. F. YOAKUM of New York, who for years has devoted his time largely to the study of the agricultural conditions of the country, seeking to find a way for bettering farming and the marketing of farm products, in the course of a letter to the MANUFACTURERS RECORD touching on the Federal farm colonization communities proposed to be planted in the South, writes:

"I do not understand how or why the Secretary of the Interior could put himself on record favoring such a plan. There would be no end to the graft through promotions in every State of the Union, as certainly such a scheme could not be inaugurated in the States named without extending the same privilege to other States. This you clearly bring out. Paternalism is growing so rapidly that it is really becoming a threatening menace to the country. I am enclosing copy of a letter dated May 12, which I have addressed to Congressman Clarke, in which I refer to the same principle of the growing tendency towards a paternalistic government."

In a second letter Mr. Yoakum says:

"It would not be sound policy to establish model communities of farmers by the Government in the South or in any other section of our country. Such a move would be more of a promotion nature, under which large profits would be made by people who have no interest whatever in the future of such model communities after they had received 'theirs.'"

"This is a period of many efforts, some honest and some questionable, to make all possible out of the present agitated situation concerning agriculture. There is one and only one system under which agriculture can be placed where it properly belongs and that is to consider and treat it as a business. It is a business that can be handled not at all foreign to other business but it must be under control and on this subject I am working on a plan, and I shall prize highly your opinion after I have completed it."

MUDDLED THINKING ON THE MERCHANT MARINE.

TWO typical examples of the consistently shallow, superficial views of the two Baltimore Sun papers—morning and evening—on economic questions is contained in two recent editorials, one headed "Trade and a Merchant Marine," in the morning paper for April 25, and one headed "Why" in the Evening Sun for May 17.

"That expansion of our foreign trade is not dependent upon the amount of tonnage carried under our own flag is again indicated by the report that for the third consecutive year exports have approached closely the five-billion-dollar mark. The figures for 1927 were \$4,864,806,000, one per cent higher than the year previous and one per cent lower than in 1925," argues the earlier editorial. And designating as "most persuasive" all arguments to the effect that a nation which carries its own goods in its own ships has a great advantage, the morning Sun continues:

"Actually, the records show that our foreign trade has moved forward in total disregard of the several nationalities of the cargo carriers. If goods and prices please, foreign trade thrives. There is substantial cause for the view that it would continue to do so if there were not an American ship afloat.

"It is possible that in this paradox we may find one explanation of our difficulty in reaching an agreement on a merchant marine program. If plain proof were presented that trade with foreign countries went up or down as the proportion of it carried in American ships varies, it is inconceivable that there would not be insistent demand that we launch and maintain ships."

While analogies do not prove anything, they are great aids to understanding, and we can illustrate the fundamental unsoundness of the Sun's argument by an analogy in which the same form of logic is applied to a simpler and more generally understood subject. Suppose a city man to be entertaining a cousin from the deep backwoods by showing him the sights of the city. On the twentieth story of an office building he says:

"I am going to show you the fallacy of that popular saying that water will not run up hill. Here we are, 200 feet above the source of our water supply; here in the lavatory is a spigot; I turn it, and water runs freely. How does it get here? Plainly, by flowing up hill. There are several lavatories on this floor and in any one of them, for the past several years, water has flowed as you see it flowing now, whenever the spigot has been opened, day or night, winter or summer. The argument that water will not run up hill is most persuasive, but the records show that you can fill this wash basin in a few minutes any time you get ready, merely by opening the spigot and letting the water run, in total disregard of the altitude. There is substantial cause for the view that if we went up 40, 60 or 100 floors, we would still find water flowing freely at a similar turn of the tap. If plain proof were presented that water would not run up hill we would stop building tall buildings."

All of which is incontestably true, but the city man has ignored a vital factor in the business—the power required to force the water to high levels, and consequently, the smaller quantities of water that always will be available at such lofty altitudes. At sea level we have oceans of it, but the higher we go, the greater its cost.

About 20 per cent of our manufactures are exported; how much more we could manufacture and export, if we could eliminate the sales resistance set up by having to depend upon foreign bottoms, we can only conjecture. Like the city host who overlooks the costly pumping plant in the basement, the Sun overlooks this vital factor. Water can be forced up hill, but how much more could be moved by the same outlay of power if the altitude were cut in half. Capable manufacturers can force some of their goods out against great odds, but how much more they could export, were some of their obstacles removed!

Captain Robert Dollar recently said: "When we started

our round-the-world service four years ago, practically no trade existed between California and Singapore, Penang and Ceylon. During the four years of our giving that part of the world a fortnightly service, it brought into this country \$29,000,000 of new money. The increase of the then existing trade in Japan, China and the Philippines amounted to \$54,387,045, also new business that did not exist before."

The Sun concedes the value of a merchant marine for self-defense, but finds itself unable to believe that we would hesitate to provide subsidies for a great merchant marine, "if plain proof were presented that trade with foreign countries went up or down as the proportion of it carried in American ships varies." Ample proof has frequently been presented, but it has invariably been distorted, denied and ridiculed to such an extent by foreign-interest propagandists and by such superficial thinking as that shown in the Sun's recent editorial, that the mass of our voters, none too keenly interested in so large and remote a subject, are thoroughly addled about it. The significance of our export figures is not how independent our exporters are of an American merchant marine, but how much more we could export if we had plenty of American ships to blaze the way.

If we are to continue as a prosperous and dominant nation we must expand our markets to absorb the output of our increasing productive capacity, thus keeping our people employed. This means American owned and operated ships equal to or better than those of our competitors, which must provide regular, frequent, swift and permanent services.

And the Evening Sun for May 17 piles ignorance on top of stupidity for this pair of journalistic twins by comparing the growth of the American railways and vigor of the nascent American flying industry—both entirely protected by the natural barrier of oceans from the competition of government-subsidized industries in Europe—with the American merchant marine which, thoroughly hamstrung by its own government through legislation imposing impossible operating costs, must face on the high seas the heavily-subsidized fleets of foreign governments.

"Why?" asks the Evening Sun, and we echo that question. Why such ignorance? Why, in two organs owned by the same interests—and published in one of the great ports of the country—can such bottomless ignorance be tolerated? When the leading papers of one of our greatest ports can be so abysmally ignorant on the simplest fundamentals of the shipping question, is it any wonder that the people of the nation are too confused to demand any clear-cut policy? Here, undoubtedly, is the plain answer to the questions raised in the editorials in the two Sun papers—the unpardonable ignorance of a portion of the press keeps the public mind confused. Until the editors of the nation realize, and with one voice demand, the support our shipping needs to offset the greater construction costs of American shipyards, the larger crews and higher wages required by the pernicious La Follette Seaman's Act, it would be impossible for an American merchant marine, however aggressively and progressively it may be managed, to compete with ships carrying smaller crews, paying lower wages per man, and substantially aided, rather than hampered, by their government.

QUICK WORK.

C. O. KUESTER, business manager of the Chamber of Commerce, Charlotte, N. C., wiring his acknowledgment of receipt of the 1928 edition of the Blue Book of Southern Progress, says he has read it carefully, and adds: "It is the most valuable book that comes to my desk. We congratulate and thank you."

To every reader of the MANUFACTURERS RECORD we say, "Go thou and do likewise."

RESEARCH NEEDED TO BROADEN COTTON MARKET.

TOO many goods! Too much goods! Overproduction was the burden of the song of pessimism raised at the annual meeting of the American Cotton Manufacturers Association held last week at Richmond. Every other phase of the industry it seemed was making satisfactory progress and the greater efficiency of operation attained even in the face of curtailment had resulted in a still greater quantity of goods being turned out.

Cotton manufacturing is not the only industry confronted with this situation. Practically all lines of manufacturing are going through a period of readjustment following the abnormal requirements of the war and the supplying for a time of the wants of those nations after the war which were rebuilding their own plants.

The cotton industry brought its operation up to a high standard of efficiency; many new mills have been established to handle a large output and especially so in the South. Southern mills in fact have been better off than those of other sections. They have had no labor problem and in fact no group of industrial workers in the world have better living conditions and have the thought and attention of their employers as have the Southern cotton mill operatives.

It is estimated that the consumption of cotton goods is now higher per capita than ever before and for that reason many believe that the overproduction problem can be solved by further curtailment. Curtailment has been tried since December last but the industry is still producing more goods. In the face of this situation a logical conclusion would be to increase the sale of cotton goods no matter if a record cotton consumption per capita has been made. That should not deter anyone from trying to break the record. Records are broken constantly by industrial leaders in many fields. We make the suggestion that through a broad intensive campaign of advertising the cotton industry could create a desire on the part of the public for more cotton goods. Style changes play a part in the problem the mills have to face but rapid style changes in some instances have helped cotton manufacturers by creating new orders for certain materials having a popular vogue. Individual mills having special trademarked brands should advertise their product so that the public would soon learn to ask the merchants for a particular product. Many Southern mills now have established brands.

An alert salesmanship in all that means in finding markets, by popularizing individual trademarked products, and through proper advertising, will be the key to the production problem just as much as has the scientific operation of mills brought them up to the highest degree of efficiency in turning out goods. Southern mill leaders must give more attention to the sales end of their business.

Fortunately, the cotton industry through the establishment of the Cotton Textile Institute has already embarked on what seems to be the right road. This organization which is less than two years old has about formulated the ground plan for some really constructive work. Through it the industry is just beginning to know about itself, what can be accomplished, what its limitations may be and in what direction it can be guided toward more stable conditions and a broader market. For this organization to function properly it must be given the support of individual manufacturing units of the industry. It should concentrate on the development of new uses for cotton and find new ways of using cotton as well as be the statistical clearing house for the industry as a whole.

However, not all of the mill men view the unsettled conditions as darkly as some in the industry seem to indicate. They admit of overproduction being the outstanding problem

but they say that progress is being made in working a way out, that other conditions more serious in the past have been overcome and they are not too apprehensive in meeting present difficulties.

GOVERNOR MOODY, OF TEXAS, OPPOSED TO GOVERNOR SMITH.

IN reply to a telegram from the MANUFACTURERS RECORD, Governor Dan Moody, of Texas, wires as follows:

"I am opposed to the nomination of Governor Smith. The South is not favorable to his nomination and I do not believe that any of the Southern States will vote for his nomination, with the possible exception of Louisiana."

WILL THEY BE TRAITORS TO THE CAUSE?

THE following news item in the New York Herald Tribune, May 13, by Theodore C. Wallen, a staff man whose duties keep him close to Governor Smith, may be accepted as authoritative:

"On top of Tammany Hall's decision against a wet plank in the Democratic national platform it was learned yesterday on high authority that Governor Smith, champion of the wet cause, is expected to leave the prohibition question alone in the Presidential campaign in the event he heads the Democratic ticket, unless the Republicans force the issue.

"At the same time it became known that prominent Democratic dry leaders of the West and South, who it had been feared might stir up the prohibition question in the Houston convention, are falling in line with Tammany's proposal to play it down, as freighted with dynamite, in favor of a mere law enforcement plank."

Until developments may prove it to be mistaken, the MANUFACTURERS RECORD will refuse to believe that "prominent Democratic dry leaders" of that section will be traitors to the South and the Nation by supine surrender to the powers of evil on a mere promise of political advantage.

GOOD WORK BY A TEXAS BANK.

THE North Texas National Bank of Dallas, as part of its effort to aid in the city's development, has established in its lobby a permanent exhibit of the manufactured products of Dallas. In making its announcement the bank carried nearly a full page advertisement in the Dallas Morning News and said:

"Factories and industries are essential to the development of a great city. Payrolls make population. The people of Dallas believe that the time was never more opportune to launch out in a definite, aggressive campaign for the encouragement of manufacturing enterprises and the development of the city industrially. Added to this expression of confidence is the recent organization of Industrial Dallas, Inc., financed by local business men, for the sole purpose of advertising the advantages of Dallas to the world."

In furtherance of this plan, the North Texas National Bank has arranged through the co-operation of the Dallas Manufacturers' Association for the permanent exhibit of the city's manufactured goods. The exhibit will be changed weekly and also through advertisements the bank will feature Dallas manufacturing concerns.

Recently at Baltimore one saw the co-operation given by the retail merchants of the city to a "Baltimore Products Week," when their show windows were devoted to displaying Baltimore manufactured goods. Similar home-buying campaigns have been undertaken in various cities and it is by such co-operative efforts that cities and communities are made to realize the extent and value of home industries. The Dallas bank sets a wise example for other banks.

The Mississippi River Bill an Epoch-Making Event.

THE Mississippi River Bill signed recently by President Coolidge will mean the revival of prosperity based on the permanency of this flood control work in the entire Mississippi Valley. It is a gigantic undertaking. The MANUFACTURERS RECORD at the beginning of the fight for this development said that even if it cost from \$500,000,000 to \$1,000,000,000 the amount would be well spent and would prove one of the wisest investments of this country. The work may cost more than that amount, probably it will; but as the Mississippi and its tributaries drain a vast area from the Lakes to the Gulf, and from the Allegheny and the Blue Ridge Mountains to the Rockies—the most richly endowed region, all things considered, on the face of the earth—the actual cost to the Government of the development honestly managed is immaterial, for the wealth to be created will vastly exceed the cost. The very fact that this gigantic undertaking is now definitely assured will give confidence to capitalists, to manufacturers and to farmers as well. It will stimulate not only the lower Mississippi Valley section, but the entire region from the Lakes to the Gulf, and in stimulating the development and the prosperity of that section it will enormously enhance the progress and prosperity of the entire country.

It is altogether probable that there are some particulars in which this bill could have been improved had Congress been called in a special session devoted entirely to the consideration of this proposition, but even as it stands it is a great epoch-making event in American history. It is the largest undertaking of the kind that the world has ever known. As great as has been the value of the Panama Canal to this country and to the world's trade, the value of this Mississippi River improvement will exceed by many times the value of the Panama Canal to America. It only remains now for this work to be hastened as rapidly as possible in order that there may be no more disastrous floods to injure so vast a region and to impoverish so many thousands of people as did the flood of last year.

Upon the commission which will have charge of this work rests a far greater responsibility than upon the commission which built the Panama Canal. General Jadwin and his associates have an opportunity to do a work for this country far greater than General Goethals and others had in constructing the Panama Canal. They need to throw into this campaign the utmost energy so that not a day may be lost in protecting a vast, richly endowed region from the dangers of flood waters.

As expressing the views of this paper on the signing of the bill, the editor of the MANUFACTURERS RECORD wired President Coolidge as follows:

"In signing the Mississippi River Bill, even though it may not agree in all details with your views, I think you have rendered a service of immeasurable value to the entire country. The safeguarding of the whole Mississippi Valley is a task of gigantic magnitude worthy of the best effort of the world's greatest nation. I think you have probably made this possible and that out of this will come a great improvement in business conditions throughout the center of the country and from there spread to the nation at large."

This telegram brought from the White House the following:

"I have had pleasure in placing before the President your

telegram of May 16 and he has read it with deep appreciation. He is especially glad to know that his action in signing the Flood Control Bill meets with our approval."

Telegrams to the MANUFACTURERS RECORD from State officials and business men setting forth the way in which this bill has been received and its influence for prosperity follow:

A Banker Says President Coolidge Has Built for Himself a Monument Which Will Last Forever.

[Telegram to Manufacturers Record.]

New Orleans, La., May 17.

Calvin Coolidge, by signing the flood bill, has built for himself a monument which will last forever. Millions of people protected and billions of property saved from destruction. Such constructive legislation encourages and gives confidence to capital, which means permanent growth and development. Flood control, an interstate problem, called for co-ordination and unity of action. United States Government the only agency possible to accomplish purpose and establish long needed unquestioned confidence. Psychological depression resulting from last flood completely overcome, and turning point reached in the commercial, financial and agricultural history of this vast protected area. Restoration of confidence, resulting optimistic outlook, full protection of life and property under government control, pictures a period of wonderful activity. The Mississippi Valley, potentially the greatest productive section of this country, has solved one of its important problems. Time will not only justify the signing of the bill but will vindicate Congress in what was perhaps one of the most difficult problems to solve intelligently and economically.

CHARLES DEB. CLAIBORNE,

Vice-President, Whitney Central National Bank.

Unstinted Praise to Those Who Made This Action Possible and Promise of Great National Prosperity From It.

[Telegram to Manufacturers Record.]

Memphis, Tenn., May 17.

Passage of the Jones Reid flood control bill by Congress and President Coolidge's action in signing the bill meet with the hearty approval of thousands of property owners in the lower Mississippi Valley, whose property is annually threatened by the waters of the Mississippi. Public confidence will be restored, capital will seek investment, and an era of unprecedented progress and prosperity will result. With the assurance that the Federal Government will control the waters of the Mississippi River, protecting our property from its ravages, we will be able to build a mighty agricultural and industrial empire in this fertile and progressive valley.

As the center of the territory where the flood control program will be carried on, Memphis rejoices that all sections of the United States have recognized that the project is national and not sectional in its scope and that control of the Mississippi River and protection from any such disaster as that of 1927 are as vital to the continued commercial and industrial welfare of the country as was the building of the Panama Canal.

In common with the rest of the valley we join in acknowledging our debt of gratitude to Senator Jones and Congressman Reid and to those other Senators and Congressmen of both parties who placed the national welfare above party or sectional lines and recognized that one part of the country cannot be hurt without all of the country suffering. It is equally true that one part of the country cannot go forward without the rest of the country profiting thereby and the tremendous development that can confidently be expected in the entire Mississippi Valley will be reflected in trade conditions throughout America.

R. M. DOZIER,

President, Memphis Chamber of Commerce.

Governor Bilbo of Mississippi Looks for Greatest Prosperity Ever Known, in Which Whole Nation Will Share.

[Telegram to Manufacturers Record.]

Jackson, Miss., May 17.

The signing of the flood control bill by the President consummates the most important legislation, nationally speaking, since the building of the Panama Canal, because every part of the country will be benefited by it. While the Mississippi Valley will be the first and immediate beneficiary in the great impetus that will be given to every line of business and industry, and the lower basin of the river released from the heavy cost of protection against the annual menace of overflow will rejoice in an unprecedented prosperity, the great industrial centers of the East, and food and livestock producing sections of the West, will be profited in the greater purchasing power yielded by this prosperity.

The expenditure of this vast sum of money upon the work to be done and the giving of employment to many thousands will, of course, be an immediate stimulus to business of every kind in this region, but the eventual influence of flood control upon the development of the lower basin will be a contribution to the national wealth of inestimable and enduring value. It will give to the plow millions of acres of the most productive lands on earth and turn into fruitfulness thousands of square miles of swamp now a menace to health. The signing of the bill by the President is the inauguration of the greatest period of prosperity for this part of the United States that has ever been known, and the whole nation will share in it.

THEO. G. BILBO, Governor.

The Wires Never Carried a More Joyful Message to the Mississippi Valley Than That President Coolidge Had Signed the Bill.

[Telegram to Manufacturers Record.]

Picayune, Miss., May 17.

At no time in the history of this country have the wires carried a message that brought more joy to the people of the Mississippi Valley than the message that President Coolidge had signed the flood control bill, and that the long hoped for protection is now assured. It creates a ray of hope and brings to the people of this great valley an insurance policy that the national government has accepted the responsibility of protecting them, their families and their property, against a repetition of disasters such as we experienced in 1927. We are justified now as never before in asking for extensions of maturing obligations.

This being the most fertile part of the United States, the removing of the hazard insures and makes possible the prompt and necessary recognition of the opportunities of the great Mississippi Valley. Possibly no section of the United States will go forward any more rapidly along agricultural or industrial lines than the territory affected by this measure. While the city of New Orleans has had some success it does not compare with what it should have been and will now be. We believe that New Orleans will double its population in the next 15 years and prospective investors can find no area that affords greater inducements than will now be found in the Mississippi Valley with its wonderful waterways transportation, together with the splendid railroad facilities already established, all now with the protection to be afforded by this great nation. The possibilities of this section of the United States will now be recognized as never before.

Words cannot express the appreciation of the people who occupy this great valley and we are not unmindful of the fact that the President has exercised superior judgment from the very beginning as has Secretary Hoover. Their appeals to the nation to support the Red Cross tempered the minds of the people with sympathy evidenced by the splendid response that came for our temporary relief. We feel grateful not only to the President, to Secretary Hoover and General Jadwin but to Congressman Reid and Senator Jones as well as to all the committees and other Congressmen and Senators. They were undoubtedly more unanimous on this one great problem than on any problem which has confronted them for many years.

The people of the Mississippi Valley now have the assur-

ance that the entire nation has at last awakened to and appreciated the necessity of giving the essential protection and has assumed the responsibility of doing for the people of the valley that which they could never do themselves.

L. O. CROSBY.

Gov. Long's Enthusiasm As to the Coming of "Unparalleled Prosperity."

[Telegram to Manufacturers Record.]

Baton Rouge, La., May 18.

I believe the flood control bill passed by Congress and signed by the President of the United States will mark the beginning of an era of unparalleled prosperity for the South and particularly for the whole Mississippi Valley. It removes the only obstacle Louisiana has ever had toward becoming the leading State of the Union in the course of the next half century. This State, with the greatest natural gas fields of the world, and other unlimited mineral resources, fertile lands, waterways, game, fish, oysters in abundance, combined with its remarkable climate and long seasons of activity and productivity, cannot longer be held back in any line of agriculture or industry.

Our port of New Orleans is the most attractive port of the world, so located that it is an inlet and outlet by water to a large part of the United States, the natural port of import and export to Latin America, a large part of continental Europe, and with the Panama Canal, the practical gateway to the lands beyond the Pacific. Our only drawback has been our flood menace. If I live as long as my father has lived, I expect to see the city of New Orleans a greater city of commerce than the city of New York.

HUEY P. LONG, Governor-Elect of Louisiana.

Governor of Illinois Looks for Tremendous Industrial Development.

[Telegram to Manufacturers Record.]

Springfield, Ill., May 17.

The President has acted wisely in signing the flood control bill and his vision will be amply justified by the tremendous benefits which will accrue to the Mississippi Valley States and to the whole country when the flood waters of the Mississippi and confluent rivers are brought under control. The Mississippi Valley is the great agricultural section of the country and not only will the agricultural interests profit by adequate flood control but as a result of such control I look for a tremendous industrial development in the Middle West to which our Illinois Lakes-to-the-Gulf waterway will contribute in no small measure.

LEN SMALL, Governor of Illinois.

Cause for Nation-Wide Rejoicing.

[Telegram to Manufacturers Record.]

Jackson, Miss., May 18.

The signing by President Coolidge of the Mississippi River bill will result in rising land values, in a regenerated agriculture and a more progressive spirit in the valley, which may be expected to come into its own in industry, agriculture and every other phase of human progress with this assurance of protection. That section for years has needed just this action to give it the right impetus, and as the president of the Mississippi State Board of Development, L. O. Crosby, pointed out at the recent Delta Economic Conference, the time will come when the people of the valley will look upon the flood of 1927 as a blessing.

The flood impressed the nation with the merit of these valley people and called striking attention as nothing else could have done to the splendid soil of that region. We may well expect the signing of the flood bill to have a great psychological effect upon the future advancement and prosperity of the entire region as the people will be certain to give more thought to their opportunities than ever before. They will build with a new courage, and there will be greater organized activity. There is not a richer agricultural section in the land, and while a large part has been devoted almost exclusively to agriculture, virtually all of it has limitless industrial opportunities that surely now will come to the front. The comeback of the valley from the great disaster

of 1927 created admiration throughout the nation and if these people could show so much courage and fortitude in the face of the trouble they may be expected to show great progress, with this safeguard that now is offered them. The entire South and the nation have great cause for rejoicing.

L. J. FOLSE, General Manager,
Mississippi State Board of Development.

Mississippi River Bill Beyond Human Conception in Value.

[Telegram to Manufacturers Record.]

Little Rock, Ark., May 16.

The signing of the flood-relief bill by President Coolidge completes the greatest act of modern legislation affecting the development of the South, especially all central Southern States. Coming as it does at a time when the State of Arkansas is making the most rapid strides in its history, the effect of this act of legislation is beyond human conception for us. This measure will stabilize values, and create a new confidence

and poise on the part of the agricultural and industrial population. The saving of what has heretofore been an annual drain on overhead, and possible development of sections heretofore held back because of annual risk cannot be approximated. In spite of great strides made, Arkansas has been tremendously handicapped and retarded in its development program, because of annual flood conditions and lack of confidence therefrom.

The State is now in the midst of a \$52,000,000 road paving program but the mileage of paved roads gained from the expenditure has been materially shortened due to excessive per mile cost necessary to bring roadbeds above flood levels. The relief gained by reason of the signing of the flood bill is that Arkansas will no longer be militated against. Heretofore this condition very materially affected transportation costs and commercial expansion. The relief afforded by this legislation will write history in the State of Arkansas, not only creating a new milestone in the development of Arkansas and neighboring Southern States, but it will react to the inevitable good of the entire nation.

D. HODSON LEWIS, Manager,
Little Rock Chamber of Commerce.

"Will Lengthen by Centuries the Economic Ease of the People of the United States."

By WALTER PARKER, Economist, Fenner-Beane, New York and New Orleans.

Under the Jones-Reid flood bill the "levees only" policy, which has been the curse of the Mississippi Valley, is definitely abandoned, and in its place the federal government definitely accepts responsibility for the creation of adequate outlets so that the Mississippi River may discharge rapidly enough to enable the levee lines to hold.

Thus a new hope, a new vision, a new and tangible assurance that the federal government intends to put an end to the recurring flood disasters in the great valley and that in future investments of time, money and labor put into valley enterprises will not be wiped out by flood water, but will open the way, not only for rehabilitation, but for the larger development of the most fertile and potentially the most productive portion of the United States. That will mean steadily increasing wealth and uninterrupted multiplying purchasing power which cannot fail to benefit the entire country in a very large way.

The 1927 flood disaster destroyed the last remaining shred of confidence in "levees only," and had there been no federal flood legislation, rehabilitation would have lagged indefinitely.

The Jones-Reid bill is far from a perfect or finished measure, and time will show the necessity for radical revision.

Nevertheless, a start has been made and the promise of an early beginning of work on spillways, flood ways and the like is enough assurance for the future that errors in legislation and plan will be corrected and that in the end there will be:

A systematic use for all beneficial purposes of much of the flood waters which now run to waste in destructive floods.

An adequate system of relief channels and by-passes which will waste in an orderly way that portion of the floods which cannot be used to advantage.

A rapid replacement of forest cover over the now denuded portions of the watershed.

A regulated flow in the tributaries and the main river, and all the year boat transportation far into the interior, east, north and west.

A new agricultural economy based on safety from the forces of nature, capitalizing the most fertile soil in the temperate zone of the world.

A new industrial economy based on water and rail transportation, a close juxtaposition to power, food and raw materials, and an opportunity to draw in raw materials from sources at home and abroad and send out to domestic and foreign markets the finished article of commerce under highly

favorable conditions. In this connection Latin America will offer extraordinary opportunities during two or more centuries to come.

Flood control by wasting the waters in an orderly way will release the monster potentiality of the Lower Mississippi Valley.

Flood control through the use at the source of surplus flood water for power, irrigation and streamflow regulation, will soon create a character of wealth and a multiplying purchasing power in the region lying between the Alleghenies, the Rockies, Canada and the Gulf, which, together, will lengthen by centuries the economic ease of the people of the United States.

Much remains to be done. Thus far Congress has only promised the people of the lower valley that it intends to lift the menace of floods from them. The next step should be provision for a complete study of the economic aspect, of the use in place of waste of the country's water resources, and the adoption and application of a sound and far-visioned national policy under which the internal development of the country may be carried on.

Pushing Florida East Coast Canal Project.

Surveying is in progress under the direction of engineers of the United States War Department for lands required for the right-of-way of the proposed Florida east coast canal, which has been projected by the Florida Inland Navigation District, of which Charles F. Burgman of Daytona Beach, is chairman. The project is also being backed by the Association of Chambers of Commerce of the East Coast of Florida, John O. Shares of Eau Gallie, president. Mr. Shares is also a member of the Florida Inland Navigation District commission and is handling necessary work in the canal district.

Some of the lands necessary for the project have already been donated and agents of the commission are now working out plans for purchasing the remaining areas required. A bond issue of approximately \$1,000,000 will be sought to make these purchases and it is likely that an election will be called around the middle of July in the eleven counties comprising the district to provide the funds. An appropriation of \$4,221,000 has been made by Congress for digging the canal and the first installment of this will be available in July.

The Reality of Progress to Surpass the Most Glorious Pictures That Can Now Be Painted.

By THOMAS EWING DABNEY, New Orleans.

This time last year the Mississippi Valley was still reeling from the shock of the greatest peace-time disaster in the history of the nation, the devastating floods of 1927 that cut a swathe of destruction totaling 400 millions of dollars. For weeks the newspapers of the nation had been printing daily horrors of new levees caving, of new towns going under the creeping destruction, of new despair. Until late into the summer and far into the fall the long lines of refugees were fed by the Red Cross.

Now the Valley is uplifted with the hope it has never known before. The losses have not been forgotten, the destruction has not been made good, but the people—the ghastly sufferers—see near at hand their deliverance from the desert of despair. After months of agonizing doubt, they have read the joyful tidings that Congress has passed the Reid-Jones flood bill, and that President Coolidge has put his signature to a document by which the national government gives the guarantee that the danger from the flood waters of the Mississippi and its tributaries shall forever disappear from the minds of men. It is the most gigantic domestic project in the history of the United States, and probably the most gigantic domestic project in the history of the world. For though the bill that has now gone upon the statute books carries an authorization of \$340,000,000, as the engineers interpret it, this is only a beginning of the investment that is destined to make the Mississippi Valley safe for democracy and open a new era in the development of untouched opportunities; and it is not improbable that the total cost will be a billion and a half dollars.

For decades the forward-looking men of the Valley have been crying out to the Mississippi River Commission for a more adequate protection against the ever-rising flood levels than "levees only." During the floods of 1922, the demand became insistent, due principally to the energy of a group of Orleanians, among them some notable engineers who had made a special study of hydraulics. The Commission, however, refused to change its policy. Grudgingly, in 1926, it gave permission to the Orleans Levee Board to remove a stretch of levee far below the city to allow mounting flood-levels to escape from the river over the marshes and by a short cut into the Gulf of Mexico; but until the terrible floods of 1927, the Mississippi River Commission held firm to its levees-only doctrine. The results from this stretch of levee that had been removed, and from the emergency cut of the Carraevon levee on the outskirts of New Orleans when the people of the lower-river section were well-nigh frantic, however, convinced the Commission; and it promptly made an about-face and urged the adoption of spillways and auxiliary outlets to aid a greatly strengthened levee system in holding back the flood waters from two score of states.

This flood menace, which has been with the lower river section since the days of the first colonists, has been yearly growing greater, because with the development of civilization, various outlets of the river have been closed, because low-lying river-bottoms upstream have been protected by levees and so do not reservoir the surplus waters of spring-time, and because increased drainage and deforestation far upstream have caused a greater flow of water to be concentrated into the river at the danger periods.

Thus, though a century ago the flood menace was always present, it has grown greater with the passing years; and this menace, not sufficient to counterbalance the colonization rush

to the lower river country, as illustrated in the case of New Orleans after the Louisiana territory went under the American flag, did become so overpowering that in recent decades capital and industry have feared to venture within reach of the tawny Mississippi. It is not alone from the economic effects of the War Between the States that the lower river country has been suffering. Those losses were gradually absorbed and forgotten; but the river-danger, and the river-losses came riding down the valley on each spring breeze.

It is notorious that for years there has been a general feeling throughout the nation that one of these fine days, New Orleans would be wiped out by crevasse. This belief has been so thoroughly pressed into the popular mind that the vaguest rumors, the most unfounded reports have been sufficient to cause publication of reports in responsible newspapers to the effect that the water was six feet deep in the Roosevelt Hotel, and that thousands were fleeing for their lives. This happened in 1922, it happened in 1927; and the press of the nation, speaking generally, during the floods of 1927, seized upon pictures of New Orleans streets covered with rain water which banked pretty high in certain sections when lightning put out of commission the drainage system, as ocular evidence that at last the blow had fallen.

The fears for New Orleans stretched up and down the Mississippi river through some of the most fertile lands in the country, lands, too, rich in chemical and mineral resources; through rich manufacturing possibilities. They, too, were subject to imminent destruction every year. Belief, in the case of the country reaches along the river, was frequently justified by the breaking of a levee, but the levee has never broken in front of New Orleans, though river water, and lots of it, has frequently been in the streets of New Orleans, and once, years ago, drove 12,000 persons from their homes. At any rate, capital and industry believed that New Orleans and miles and miles of country stretching north from it was a mighty fine place to let alone. Bankers of New Orleans will tell you of the big business interests that almost reached the decision to establish in New Orleans, because of the many peculiar advantages of location and economies of operation, and then fled from the panic of the river just as the pen was poised above the dotted line. These same bankers have for years been telling their intimates that there could never be a substantial development to this section as long as the river menace held, and that would be until the time the government took charge of a problem too big for any one locality or section to handle.

Ex-Senator Percy of Mississippi, in the hearings before the committee on flood control of the House of Representatives, a few months ago, described the area affected by the floods of 1927 as a yellow sea stretching a thousand miles from the Missouri river to the Gulf of Mexico, from 50 to 100 miles in width, driving 700,000 persons from their homes and throwing 600,000 of them upon public charity, interrupting 3000 miles of railroad transportation, flooding 4,000,000 acres of used land and 12,000,000 acres of land altogether.

That destruction, in the future, will be prevented by the flood control measures. The Mississippi Valley embraces an area of 20,000,000 acres, of which 15,000,000, if protected from the river, are capable of cultivation.

With the removal of the flood-fear, such losses as the \$400,000,000 of destruction last year, will be saved, and furthermore, there will be encouragement to new industry and new capital to expand existing developments. The movement is

into the South, and this Valley-section is cheap in land and abundant in possibilities.

In addition to this, the employment of labor on the gigantic projects connected with the creation of spillways, the strengthening of levees, and the other works in connection with the flood-control program, will for the next 10 years, pour an enormous new buying power into the sections that were suffering such agonies a short year ago.

"This should be a day of rejoicing for the people of the Mississippi Valley," said James P. Butler, president of the Canal Bank and Trust Company of New Orleans, when news of the president's signature was flashed. Those are strong words for a conservative banker. "The entire country is bound to feel that with the full power of the nation dedicated to our protection, the menace confronting us has been removed, and that New Orleans is at the threshold of progress and prosperity." And those are stronger.

But they reflect the opinions of the most hard-boiled business men of New Orleans; they express the views of economists, capitalists, industrialists and agriculturists up and down the Mississippi Valley; one and all, they envision a period of intensified development, of increasing farm production, of multiplying factories, of a swelling commerce, of the center of population swinging into the Valley. And one and all, they believe that the most glorious pictures they dare to paint will fall far short of the reality.

Contest in Georgia Designed to Develop New Uses for Cotton.

Atlanta, Ga., May 19—[Special.]—One thousand dollars in prizes is offered by the Cotton Manufacturers Association of Georgia for the best suggestions for new uses for cotton. The prizes consist of a \$500 first prize and ten additional prizes for \$50 each for practical suggestions. The contest is open to every one in the state of Georgia.

The idea was adopted by the New Uses Committee of the association, headed by Cason Callaway, of the Callaway Mills, La Grange. The contest closes August 15, 1928.

The following rules and regulations have been issued by the association:

- 1—Each contestant may submit as many suggestions as he or she may desire.
- 2—All suggestions must be submitted in writing, with only one suggestion on each sheet of paper. Only one side of the paper may be written on.
- 3—The name and address of the contestant must be plainly printed or typed on each sheet of paper containing a suggestion.
- 4—Suggestions must be expressed as briefly as possible, but sufficient details may be given to explain the plan or work out the suggestion.
- 5—The prizes will be awarded to those making the suggestions which, in the opinion of the judges, offer the most practical and constructive plan of securing wider use and appreciation of cotton yarns and fabrics.
- 6—The contest begins May 8, 1928, and closes August 15, 1928. All suggestions bearing a post-mark on or before August 15, 1928, will be accepted and considered.
- 7—All suggestions or inquiries must be mailed to T. M. Forbes, secretary of the Cotton Manufacturers Association of Georgia, 919 Atlanta Trust Company Building, Atlanta, Ga.
- 8—The names of the winners will be announced and prizes awarded immediately following the close of the contest, as soon as the judges have had time to carefully consider each suggestion.

Copies of the contest rules and regulations have been mailed to every magazine and newspaper in the state. It is thought that a great deal of interest will be aroused in this way. Already a number of suggestions have been received, and it is expected that several thousand will be made before the contest closes. Even though no very practical suggestions may be received, leaders of the Cotton Manufacturers Association believe that the public interest aroused in the question will make the contest worth while.

The Interstate Commerce Commission on Proposed Chesapeake & Ohio Railway Consolidation Plan.

Refusal to sanction the inclusion of the Erie road in a proposed consolidation with the Chesapeake & Ohio was announced last Friday by the Interstate Commerce Commission, which at the same time permitted the unification of the Chesapeake & Ohio and the Pere Marquette. The Commission also cited the Baltimore & Ohio, the New York Central and the Nickel Plate lines to show cause why they should not dispose of their joint control of the Wheeling & Lake Erie.

In regard to its action on the inclusion of the Erie with the Chesapeake & Ohio, the Commission averred that it could not find economic advantages in the plan, and as further objection it noted that the inclusion of the Erie would be an intermediate step toward ultimate unification that would constitute allocation of an important New York-Chicago trunk line in advance of the adoption of a general plan for the formation of competitive systems in Eastern territory. Pointing out that O. P. and M. J. Van Sweringen, through the Van Ess Company, hold control of the Chesapeake & Ohio by direct and indirect ownership in stock in the Chesapeake corporation, the Commission added:

"It follows that the plan as contemplated would extend this jurisdiction to the Erie and Pere Marquette. As a matter of fact, the aggregate of Erie stocks now owned by the applicant and by the Van Ess Company constitutes virtually control of that system.

"Financial manipulation of great railroad properties as an accompaniment of acquisition or consolidation under the law should not be tolerated. Unification of existing lines should have its inception primarily in the traffic and transportation conditions of the territory served. If the regulation of railroads, with especial reference to their unification and capitalization, can be effectively and justly administered under the Acts passed by Congress for that purpose, these projects should be so governed as to be made productive of large benefits in transportation."

The Commission, therefore, concluded: (1) That the Chesapeake & Ohio has not demonstrated necessity for control of the Erie because of lack of outlet for its coal traffic; (2) that for a portion of the business sought to be benefited there might be a joint trackage agreement; (3) that the relationship of the Chesapeake & Ohio and the Erie is not complementary or supplementary; (4) that the acquisition would be a premature step in the general consolidation scheme; (5) that there is no exigency in the affairs of either company which demands present action; (6) that the record does not make a clear showing of public gain to warrant approval of the proposed acquisition.

In authorizing the issue of \$20,000,000 of Chesapeake & Ohio stock for acquisition of Pere Marquette stock, the Commission says this will not acquire a majority stock interest in the Pere Marquette, and that the applicant, if necessary, may submit a supplemental application for authority to issue additional stock for that purpose. One year is allowed for this program.

\$7,000,000 Rail Line Nears Completion.

Rail laying was completed recently at Demopolis, Ala., when the last spike was driven in the 150-mile link constructed by the St. Louis-San Francisco Railway Company from Aberdeen, Miss., south to Kimbrough, Ala. The two lines, one building north and the other south met at a point three miles north of Demopolis. The Frisco has already spent approximately \$6,500,000 in the construction of this new road, which will connect with the Frisco's recently purchased line from Kimbrough, Ala., south to Pensacola, Fla. A total cost of \$7,000,000 is expected before the road will be open for commercial business about June 1, according to President J. M. Kurn of the Frisco.

Constructive Plans of Cotton Mill Convention.

NECESSITY FOR CURTAILMENT IN PRODUCTION EMPHASIZED—ADDRESSES EVIDENCE FULL REALIZATION OF PROBLEMS AND RESPONSIBILITIES OF THE INDUSTRY.

By GEORGE GARNER.

Richmond, Va., May 18.

Although unquestionably concerned over depressing conditions now prevalent in the cotton industry, the 300 and more members of the American Cotton Manufacturers Association present at the annual convention here this week were emphatic in determination to improve the situation by practical business methods, rather than to suffer continuance of depression. Here and there, a note of pessimism was heard; but, the outstanding feature of the gathering was a display of grit that is to be translated into varied activities planned to place the industry on a sound basis of profitable operation.

Diagnosis of the malaise from which the industry suffered disclosed the following major afflictions: Overproduction, even in the face of almost unprecedented consumption; difficulties in solving merchandising problems, due largely to wide swings in the price of cotton; unbusinesslike practices in price-cutting; rivalry by other products, and changes in styles.

That no one of these afflictions was organic or chronic—indeed, that each was susceptible to curative action—was the unanimous opinion by the time the convention was adjourned. The troubles had been located—that was the main thing. Remedies had been proposed by eminent experts—that was the second step. To apply these remedies was the only requirement, and the industrialists left for their respective homes filled with such determination.

As a cure for overproduction, two courses are open, on divergent lines: On the positive side, to promote demand and consumption; on the negative side, to cut out night-work.

The establishment of a contract that will, first of all, "reflect the intrinsic value of the actual," was prescribed by President George S. Harris as cure for the second evil.

Remedies for the trouble in price-cutting were almost self-evident, and those who sat at the feet of W. D. Anderson, spokesman for the organization in the study of the situation, grasped the fact that price-cutting as at present practiced actually retards sales, instead of promoting them.

So, too, rivalry by other products was accepted as a development likely to arise in any industry and one that could be successfully met by exercise of the business acumen conspicuous in the cotton textile industry.

As to changes in styles, the cotton industry was regarded as sufficiently versatile to keep step with Dame Fashion, no matter how fast or how fantastically she tripped along her course.

So, it was in a spirit of cheer, far more than in a feeling of mere relief, that the members dispersed at the close of a convention described as, probably, the most quietly momentous and potentially the most constructive held in many years.

No set and formal resolutions for general adoption of the remedial measures suggested were considered necessary to stimulate the industrialists. No thought arose of binding the members to united action on the lines presented. Not even an outspoken "gentlemen's agreement" was proposed. "Gentlemen, here are the troubles common to us as a whole and to each of you individually, and here are the remedies," said the spokesmen, and that seemed sufficient to stir all present to individual action, and so, in the last analysis, to the benefit of the industry as a whole, from stockholders through all employees to the consumer.

But, trade troubles were not the only, or the greatest,

dangers confronting the industry and set forth earnestly by the speakers. Open and insidious attacks by communists and their respectable "dupes," as these communists call religious and other decent elements which they may enlist in their dirty work, were laid before the membership. Secret meetings to arouse discontent among the contented workers are in progress in the South, engineered by such men as Paul Blanshard, and even more dangerous are periodical utterances on Southern labor conditions by reputable men whom the Reds have duped by false statements. Within the bounds of politeness, and giving these respectable "dupes" all credit for sincerity, Mr. Anderson paid his respects to Bishop Cannon and his equally uninformed associates for their harmful intrusion into fields about which they have shown they know nothing.

"The pleasant and cordial relations existing here in the South between employers and employees are the marvel and envy of other sections of the country—nothing like it is to be found in any other part of the United States," said Mr. Anderson in his address.

And warm corroboration of this assertion was voiced by Miss Katherine Dozier of the Pamelot Manufacturing Company and Dr. Marjorie A. Potwin of the Saxon Mills, whose work keeps them in intimate touch with the employees and who enjoy the confidence of the workers in unbounded measure. Weighed in the scale of truth, their addresses far outbalanced the reckless utterances of Dr. Cannon and his equally uninformed associates.

As a matter of fact, it was felt, the greatest defense of the industry against such attacks was to be found in the rank and file of the Southern workers themselves. These workers, actually on the ground and daily experiencing conditions, will not be deceived like absentee theorists and uplifters, but will denounce and repel attempts of radicals and their dupes to overturn existing conditions on which are based the existing content and happiness. The managers of the mills will not sit dormant, and they are convinced that the workers will be even more vigilant on the defensive.

President Harris, in Annual Address, Looks Through Present Clouds to a Brighter Future.

Both the cloud of depressing conditions and the silver lining of sound opportunity for better things were pictured by President Harris in his annual address, at the opening. On the whole, it was written in "concord of sweet sounds" and with only infrequent interpellations of the minor note. For instance, he used with emphasis the word "deficiteer," as coined by President Alexander of the National Industrial Conference Board; but, on the other hand, he foresaw a bright future for the cotton textile industry in the day when it shall have adjusted itself to meet modern conditions in business life and all its complexities.

At the outset, Mr. Harris showed the difficulty of the manufacturer in maintaining a balance between costs and prices in the face of fluctuations in the price of the raw material. The wide swings in prices, as he said, make it difficult properly to price the production, and have multiplied merchandising problems. He continued:

"My conviction is that if competing mills would adopt the policy of staying even with cotton, making their prices of goods based on cost plus, we would not only have a more stable goods market, but a more stable cotton market, if we

could have a contract that reflected at all times the value of the actual cotton.

"I realize that it would be very undesirable to fluctuate the price of goods parallel with cotton, and that supply and demand should be an element in goods pricing. At the same time, it is suicidal, on the part of the mills, to take these enormous risks in cotton purchases with no chance to win, as so often occurs. Even the old theory that cotton averages low during the fall months has recently been exploded several times when final analyses have been carefully made."

This bringing up the nature of the present cotton contract, Mr. Harris explained that the manufacturer needs a contract, "first of all, that will reflect the intrinsic value of the actual; but, at the same time, the contract must be attractive to speculators." Such an arrangement, he added, might be difficult to devise, but it could be done.

Reduction of losses due to injuries to workers was next taken up in the address and he asked his auditors to consider this phase of the business with deep thought.

"Another subject very important to my mind, and one I would especially call to your attention," said Mr. Harris, "is certain faculty influence, in some of our colleges, leading to what I would designate as adverse industrial psychology," and he continued:

"In that period when most of our present industrial executives reached majority, a young man had been established in industry for several years at the age when now they are yet in college. In fact, today, we have college men presenting themselves to us for initial training, at the age of 22 or 23 years, with no practical experience in their record. Every year of the formative age has been subject exclusively to the influence of the school or college professor whose contact with industry, or with any phase of business, has generally been most remote.

"Witness, if you please, the reaction in the student body of one of our great Eastern colleges to the recent execution of the two anarchists, Sacco and Vanzetti. More recently, we have reports of students in one of our Western state universities making public protest against an employer. Doesn't the slightest sympathetic demonstration on the part of a group of college students, in a question of this nature, appear to you as a serious indictment against the faculty? Isn't it equally the responsibility of present-day industrial leaders, to see that the students of today are carefully protected against such adverse influences? It strikes me that the percentage of 'parlor bolsheviks' in our graduating classes is slowly but surely growing, and I doubt if the young men themselves realize it. There is no question as to the growing tendency towards socialism. I make this statement advisedly and draw a clear distinction as between socialism and communism.

"The personnel of management of today is not the personnel of management of tomorrow, and if we are to perpetuate our present ideas of government in industry, we must give more attention to the mental atmosphere of our colleges."

Quiet gratification was evoked by Mr. Harris' statement in reference to recent meetings of mill operating executives:

"Improvements in shop practice are showing clearly in our quality and cost figures and have practically removed market prejudice that for many years mitigated against Southern-made goods. Our production today is offered with no apologies and stands the criticism of all markets."

As an unfortunate condition, Mr. Harris cited intensive operation, in no small measure through night work, and the consequent glutting of the market; "and, when these markets began to feel an overdose and to hesitate, we attempted to force them through price cutting, only to find that in so doing we not only did not increase sales, but reduced our market operations still further by discouraging all buying." He then passed on:

"Gentlemen, I make bold to present these indictments, not only because I believe that conditions warrant it, but also because I believe it possible to make corrections. Taking cotton goods as a whole, we know that per capita consumption has shown a steady increase; and while this figure may have decreased in certain classes of merchandise, it has shown greater increases in others. Furthermore, we have had the normal increase in our population, but we have not only failed to balance our production, but as we approached

the average saturation point, we have failed to properly organize ourselves to meet the ever changing conditions. We face a responsibility that must be met collectively, and this includes a responsibility to the public."

On the text of Mr. Alexander's word, "Deficiteer," Mr. Harris took up the topics of prices and price cutting, saying:

"In pricing cotton goods, I say it is the duty of mill and merchant to make the price as low as possibly consistent with a sound policy as to our obligation to labor and capital; but the moment one permits a price to be below a sound level, he fails in his obligation to the public, and as a 'deficiteer' he is more dangerous to our social organization than is a profiteer.

"It seems to be the general idea of textile merchants that cotton goods can always be sold at some price; and in our efforts to find this price in a slow market, we not only drive our prices below any sane and sound level, but destroy our general price structure. This not only destroys any little courage that might exist in the market, but establishes unsound differentials that are impossible to overcome so long as we have any accumulated stocks. We have recently seen a clear example of what can happen to a market with our merchants attempting every day to tease unwilling buyers into transactions on a basis below the market. No one ever admits making these new lows, as everyone seems to be meeting a previously made price. The results are net returns to mills far below any most conservative cost estimate in our most efficient mills. A buyer recently said to a cotton goods salesman, 'When you fellows get tired of cutting your prices, I would like to buy some goods, but I am not fool enough to buy in this market.'

"As custodians of this branch of industry, our duty is to maintain sound conditions."

And so, in conclusion, Mr. Harris said:

"I may have conveyed to you, in what I have said, an impatience at our lack of progress. If so, I want to assure you that it was unintentional. There is yet a decided diversity of opinion as to how far the spirit of co-operation could, or should, be carried. On the other hand, we have those who feel that we should work with our competitors in one common interest; while, on the other hand, we have those who believe that the survival of the fittest theory should be allowed to control. There are others who are looking for a middle ground.

"It may be true that we have some men and mills unable to carry on, in which case it would be unsound to attempt to create a condition in which they could operate. It is certainly true that if the industry is permitted to drift, as in the past, we will find a condition that will undermine the strongest organization. It, therefore, becomes our duty as custodians, for the time being, of these properties, to face squarely our responsibilities and to find the course of wisdom, in order that we may pass them on to those who follow us, with the full realization that we have acted wisely and have met these responsibilities as men."

Some of the Problems of the New Competition.

Whether intimate co-operation between units in any industry would tend to stifle competition or would promote development and stabilization was probably the most important point raised in a paper by George W. Roberts, vice-president of the National City Bank, New York, on "The Stress of Present Day Competition." On the one hand, as he saw it, economy and efficiency in production and distribution would be advanced by such co-operation, while, on the other, "the public is slow to accept any policy which might seem to lessen the vigor of competition."

In closing, Mr. Roberts expressed strong hope that the United States would become a heavy exporter of cotton goods and that such American exports would be developed progressively as time advances.

At the opening, Mr. Roberts said:

"The United States has been having in the last five years one of the most notable periods of prosperity in its history. The warrant for this statement is to be found in the record of production and traffic, the upward tendency of wages and the general state of welfare among the people. Nevertheless, it is a common saying that business generally is overdone, that competition is excessive, that profits are inadequate and,

of late, that in many lines of industry unemployment presents a serious problem.

"An analysis of the income returns of all manufacturing corporations in the years 1920-1925 has revealed that in this period two out of every five of such corporations had no net earnings, and that for every \$100 of net earnings made by the successful companies \$32 was lost by the unsuccessful ones. On the face of it, this might be taken to mean that the industrial organization actually had worked itself out of a job; that its capacity for production had outrun the wants of the population, until there was nothing to do but slow down until the wants caught up. The fact is, however, that wants are running so far ahead of purchasing power that the latter scarcely keeps within hailing distance and, in view of the fact that the purchasing power of every consumer is in his own powers of production, you are forced to the conclusion that the deficiency, if any, is on the side of production."

It is not strange, Mr. Roberts thought, that the industrial organization, composed of a multitude of independent units, acting with but slight degree of coherence or common policy, should not function with the highest conceivable efficiency, as irregularity is inherent in the system of free and competitive business activity. So, two alternatives arose: Proposals for more regulation by the political Government, or possibility of a greater degree of voluntary co-operation within industry itself, while, further, co-operation between the numerous units of each line of industry raises the question whether such co-operation would not lead to the stifling of competition and to economic domination over the many in the hands of a few. The public is slow to accept any policy which might seem to lessen the vigor of competition, and as a rule delights in competition of the widest and freest kind, and the law of the land has reflected this attitude, said Mr. Roberts, and added:

"It is in the general interest that the industrial forces shall be intelligently directed, that the greatest possible stability shall be maintained and that costs shall not be increased by competition which is simply uneconomical and wasteful. At the same time it undoubtedly is the purpose of our people to keep open the doors of opportunity to all comers and to maintain that freedom of initiative and enterprise which has been the chief factor in all the progress of the past.

"In a state of free industry, there must be comparison of services, and it is right that the individual who renders superior service shall be preferred over others. Therein is the incentive to improvement, to invention, and to the development of industry as we know it today. This is the competitive system as we have known it in the past and, in view of the progress that has been achieved under it, there is little reason to wonder that our public policy is firmly established upon it."

Much of the waste and inefficiency alleged against the system is due to the changes which are incidental to progress, Mr. Roberts felt, and he said that if the truth about the losing companies could be known, it probably would be found that all had successful careers behind them, but for some reason found themselves unable to cope with new competition. Also, he said that, while an opinion is frequently repeated that industry is generally controlled by combinations and understandings which effectively limit competition, there is, in fact, little basis for this representation, and that, regardless of legal inhibitions, it is seldom that the conditions affecting a group of competitors are so nearly alike for all that they are able to agree upon a policy in restraint of competition. Further, Mr. Roberts said:

"Aside from changes within the industries themselves, changes which have bearing upon the location of industries are a factor in competition. New supplies of raw materials, new transportation facilities, the development of new markets, may create new centers of production. For instance, the cotton goods industry has been developing in new territory under conditions so favorable that its growth was inevitable. The raw material was there, the labor was there, the markets were readily accessible, operating costs were on a low basis. The development of cotton manufacturing in the South has been partly at the expense of New England, but a large development has been possible simply to meet the increasing consumption in this country and, looking to the future, this is an encouraging feature of the industry.

"The cotton goods industry in Great Britain is confronted by a world situation somewhat like the domestic situation which confronts New England. It is a great industry, mainly dependent upon foreign markets, and new competition has been developing in importing countries, based upon cheaper costs and in many instances favored by new tariff barriers. This is a development that was bound to come some time, and the beginnings were to be seen before the war, but the war hastened it. * * *

"The public is interested in well-ordered industry, in regular operations, steady employment for the wage-earning population, and in the elimination of friction, waste, uncertainties and losses wherever possible. The various branches of industry undoubtedly have it in their power, by organization within themselves, by the exchange of information and by cooperation in many ways, to promote such a state of order, to their own advantage and the public advantage as well. Here is a field for constructive effort in tempering excessive competition.

"The laws against agreements and combinations in restraint of trade have not been changed upon the statute books, but the rules of application have been more clearly defined by the courts in recent years, and especially as regards the activities of trade associations. There is agitation in behalf of modifications of the Anti-Trust laws, and modifications to serve certain ends may be desirable, but it may be doubted that this main purpose ever will be altered. Moreover, it is to be considered that a change in our national policy in this respect probably would involve a stronger tendency to Government supervision over industry than exists today.

"The time has gone by for rule-of-thumb operations and guesswork in industry. The investments are too large, the margins of profit too small, the hazards are too many, for any manager of business to indulge in blind competition or to contribute deliberately to the demoralization of the market. There is justification and need for co-operation for the maintenance of sound and wholesome policies. The cotton goods industry has made an excellent start in the organization of the Cotton Textile Institute. No industry, perhaps, has greater need for information about itself, its opportunities and possibilities than the cotton goods industry. You cannot ignore each other, you have got to take account of each other, you have common problems and without doubt you can aid each other in solving them if you will get into the habit of thinking of the welfare of the industry as a whole.

"Cotton is the chief material in the world's supply of clothing, and most of this material is produced in these Southern States. As the world comes back to general prosperity, the demand for cotton will surely grow beyond all past records, and I would like to express the hope that the United States may become a larger exporter of cotton cloth. Notwithstanding the tendency to which I have alluded, for cotton manufacturing to develop where labor is cheaper than we want to see it here, I do not believe that our opportunity is wholly foreclosed. I hope the industry will keep its eyes on the export market, and be on its guard against any proposals or tendencies which might place it at a disadvantage in export business."

Mr. Hines Urges Broad Co-operation for All Units of the Cotton Textile Industry.

In practical and sincere co-operation, rather than in the theory of "survival of the fittest," lies largely the solution of the cotton manufacturers' great problem, was the view of Walker D. Hines, president of the Cotton Textile Institute, Inc., in an address on "The Survival of the Fittest." Even though "weak mills" may fail and disappear, said Mr. Hines, their spindles and looms will not disappear; the great bulk of machinery owned by such concerns will be organized in some manner and in the end the situation would not be improved, even though possibly it might not become worse.

Co-operation and the establishment of a solidarity by the manufacturers is the best solution in sight, as Mr. Hines saw it. Members of the industry must exchange information, must unite in study of conditions and must determine individually their policies, on the basis of such information and study, for the promotion of sound business principles and methods.

And supplementary to this, said Mr. Hines, "a conscious

and intelligent effort to promote economically sound consolidations on a reasonable scale" will carry tremendous weight. In part, Mr. Hines said:

"From time to time, I hear comment that there is no use in cotton mills trying to co-operate, and that the solution of the bad merchandising policies of the industry will have to be found in the survival of the fittest. I have been trying to analyze the idea.

"This talk about the survival of the fittest seems to assume that the mills should not join in an exchange of information as to production, stocks, costs, etc.; should not encourage each other to try to balance their production with demand, and should not encourage meeting together in groups to discuss their common problems and thereby to acquire a better acquaintance with each other and a better knowledge of what others are doing and what their reasons are and what appear to be the soundest reasons and the most trustworthy guides for future conduct. It, therefore, seems to be a necessary part of this theory that each mill should be left to its own devices and that as a result the weak and badly managed mills will fail and disappear from the field, which will then be left in control of the strong and well managed mills.

"Apparently, there underlies this theory the assumption that somewhat later we shall see a situation where a comparatively small number of strong mills, all employing sound manufacturing and merchandising policies, will constitute the industry. * * * If the rate of progress toward arriving at such a result in the future is as slow as it has been in the past, the survival of the fittest has a long road to travel and is not likely to find any reasonable realization before the year 2000 or a good deal later.

"The assumption that the weak mills will fail and disappear loses sight of the fact that the spindles and looms will not disappear. Even if there should be repeated failure of weaker mills, the result would be their reorganization and continued operation and probably in no more experienced and capable managements than was true before the mills in question had failed. Further than that, they would probably be reorganized with lower capitalization and therefore would be able to go still further in the direction of influencing merchandising policies up to the time that they fail again. I believe these conclusions are unavoidable in spite of the fact that there may well be certain numbers of spindles and looms which upon failing will not be reorganized in any manner. It will still be true that the great bulk of machinery owned by companies which fail will be organized in some manner and in some location and will continue to be a highly serious factor under new management and probably with reduced capitalization.

"It is clear that no such processes would redound to the benefit of the fittest mills or the industry as a whole. Therefore, I do not see how the doctrine of the survival of the fittest is going to be an adequate substitute for co-operative endeavor on the part of the cotton mills to raise the efficiency of the industry as a whole and the understanding and adoption of sound business principles by each unit in the industry.

"Moreover, survival of the fittest, even if it worked un-faillingly in the right direction, would be a process almost without end and, as a result, for a period much beyond our lives, the industry would remain in a position where the weak elements would be sufficiently in evidence to continue to demoralize the merchandizing situation and leave the merchandising policies to be dictated to a highly disproportionate and unsatisfactory extent by the buyers.

"In my judgment, the problems of the cotton textile industry are so complicated and its situation is so unsatisfactory, by reason of the vast number of mills and their varying costs and policies of merchandising, and the industry is subject to such strong temptation to produce as near 100 per

cent as possible, that the only way for the industry to establish itself in a reasonably satisfactory position, and in a position at all comparable with the positions of other leading industries, is to invoke every opportunity for improvement. I believe that co-operative action on the part of the mills looking to the general education of the industry as to its problems and to the use of sound business methods by each is a definite and promising method which deserves all possible support, and by 'support' I do not mean merely paying dues to some trade organization; I mean the support of example.

"One of the greatest benefits of the existence of such a spirit of co-operation is in establishing in the minds of buyers that the cotton mills have a sense of solidarity and have reached a state of development where they think alike to a considerable extent as to some of the fundamentals of merchandising. The way for mills to establish this condition is to promote the exchange of information, and the discussion of their problems in the light of the needs of the general situation.

"My conviction is that the industry needs to develop with increasing emphasis its recognition of the necessity for exchange of information, for common study of conditions of general significance and effect, and for each unit determining its policies in the light of what is needed to promote sound business principles and methods. The industry should not permit itself to be misled by the idea that it can disregard and discourage all such efforts at legitimate co-operation and find a panacea in the survival of the fittest.

"In addition, I wish to urge that while there can be no real promise of relief through the indiscriminate failure of the mills that are not the fittest, I believe an additional movement of very great promise is a conscious and intelligent effort to promote economically sound consolidations on a reasonable scale. Clearly, there are far too many mills in this country. Many of them could be combined into units of a more efficient size to the benefit of their stockholders and to the greater stability of the trade. Of course, a consolidation is not likely to succeed unless it is soundly capitalized. Perhaps, some of the consolidations which have proved unsuccessful in the past could find the explanation for their failure in the fact that their capitalization was not sound. Perhaps, some others might find their lack of success was due to particular mistakes of policy or management or to the fact that the combination was not well balanced from a manufacturing standpoint. But, certainly, with the striking examples of success in other industries, and with the great importance of finding every legitimate opportunity for increased improvement, the leaders of the industry ought now to re-examine the wealth of experience in consolidation of reasonable size which the recent industrial history of the country affords, and should approach this problem afresh.

"Such a method would be far more constructive than any reliance upon survival of the fittest, which, after all, does not proceed upon any deliberate purpose to improve the situation, but is primarily and essentially a policy of destructiveness. There is a better way to get rid of the unfit in industry than bankruptcy.

"Let us not delude ourselves by relying on any destructive policy, but, instead, let us invoke every constructive expedient we can find, and work toward a reasonable degree of consolidation and at the same time toward a general raising of the level of appreciation of sound policies on the part of every unit in the industry, large and small. In that way, I believe we shall make the maximum of progress, not only in the interest of the stockholders in the industry, but also in the interest of producers of cotton, mill employees, distributors and consumers, thereby promoting that fundamental stability which is of vital importance to everyone of these elements which go to make up the public."

Favorable Conditions for Cotton Mill Operatives.

"Setting Up Standards" was the subject discussed by Miss Katherine Dozier, Pacolet Mills, Pacolet, S. C., who explained that the community nurse, the village physician, teachers, clergymen, the mill superintendent, overseers, social worker, physical director, store manager and all other department heads in a mill village form a community council and a

recreation association. These organizations formulate plans for an educational program in which all can participate, working for the general good and happiness. A high standard is encouraged in the home, and a co-operative schedule, to which each contributes his share, prevents paternalism in the various programs and stimulates good citizenship. Very clearly did Miss Dozier draw a contrast between living conditions of many cotton mill employees today and conditions existing before the cotton industry opened the way for a new life to literally thousands who were doomed to poverty and backwardness, when she said:

"The error most commonly made by the casual observer is in neglecting to ascertain the previous environment and original condition of a case being studied for social and civil rating. For example, when a mountain cove dweller—living in a one-room cabin with a lean-to, dirt floors, wooden shutters, unceiled walls, water supply a distant spring, lighting a smoky kerosene lamp, remote from school, church and neighbors—moves to an industrial center, his new environment is superior in every detail. Taught to appreciate better living conditions, the standard of his home is constantly being raised to meet his ever increasing demands for creature comforts.

"Home betterment problems, civic improvement, social development, and worthy citizenship are per se educational problems and therefore we deal with them in our educational system. In this system every department represented in one village has a part in setting up proper standards for desirable attainment.

"Comfortable homes, attractive schools, good churches, live recreational centers, wholesome amusements, neighborly activities, stimulate desirable wants and assure constant betterment and increasing development."

And Miss Dozier stresses the point that in every program, the betterment of the child in the mill village is the ultimate goal.

To Make Good Citizens.

That the cotton manufacturers of the South have a splendid opportunity to make fine citizens, as well as fine textiles, was a statement by Miss Potwin, who added, in part:

"For the sake of industrial peace and that economic harmony which alone secures prosperity for both employer and employe, we may well thank God that here in the South for every mill village that is neglected, unsanitary, socially starved and stagnant, there are a greater number of 'good' villages, rich in opportunity, generous in spiritual enrichment, satisfied and happy in a well-rounded life of community activity and self-expression. I congratulate you manufacturers upon what has been accomplished, and I earnestly urge upon you to press on in the wisdom of the policy adopted."

Many representatives of industries doing business with the cotton manufacturers also were present.

Profitless Prices a Danger.

Another thought of great import laid before the gathering was the fact that doing business without reasonable and legitimate profit works actual harm to the industry and to the country—indeed, as President Harris put it, "A 'deficiteer' is more dangerous to our social organization than is a profiteer." Profitless prices are uneconomic, and he cited the evil of price-cutting by quoting a textile buyer as saying to a salesman, "When you fellows get tired of cutting your prices, I would like to buy some goods, but I am not fool enough to buy in this market."

So it was that, realizing the great truths presented to them, the representatives of the industry determined to change their practices.

On more technical lines, the convention devoted some attention to grade and staple standards, a subject brought to its attention by President Harris and also in a report by a cotton committee, through Chairman E. C. Dwelle. In this, it was disclosed that new types covering all lengths of staple from three-quarters inch to 1½ inch for American upland and

1½ to 1¾ inch for American Egyptian had been approved, to be issued as of August 1, 1929. All mills were urged to get new types for such lengths as they use, for the next cotton season, and the new types are expected to remain in force for a long period. Also, a new set of rules and regulations will be sent to all members at an early date.

In line with this report, the following resolution was adopted:

"That it is the sense of this Association that all sales for shipments on and after August 1, 1928, should be based on the new official Staple Standards—except, of course, those bought and sold on private types."

Approval of "the movement looking toward the adoption of net weight as a basis in purchasing raw cotton" was expressed in another resolution, and also the convention adopted a resolution endorsing "the movement to bring about a Southern delivery contract." Appreciation for the services of the Cotton Textile Institute and a pledge to its support were expressed in another vote.

In regard to "farm relief," as proposed in the McNary-Haugen bill, the convention adopted this resolution:

"We urgently request the Congress of the United States in its present deliberations to carefully consider our great industry as the consumer of one of our major farm commodities and if in its wisdom the McNary-Haugen bill be approved, that, before such approval, steps be taken to include cotton yarn and cloth within the operation of the Act; and,

"That in our opinion the present bill would create a condition detrimental to all interests, including producer, manufacturer and the consumer of cotton."

A resolution eulogistic of the late Fuller E. Calloway was adopted, and another lamenting the passing of several other members of the organization.

H. R. Fitzgerald, President.

In the election of officers, the rule of seniority was followed by the promotion of First Vice-President H. R. Fitzgerald of Danville to the presidency and of Second Vice-President Arthur M. Dixon of Gastonia to be first vice-president, while B. E. Geer of Greenville, S. C., was placed in line by election as second vice-president.

New members of the board of governors chosen were A. H. Bahnson of Winston-Salem, Robert Lassiter of Charlotte, A. M. Farley of Laurinburg, N. C.; George M. Wright of Great Falls, S. C.; Thomas M. Marchant of Greenville, S. C.; E. W. Swift of Columbus, Ga., and William D. Anderson of Macon. The other members are: Howard Baetjer, Baltimore; J. J. Bradley, Huntsville, Ala.; Cason J. Callaway, La Grange, Ga.; V. M. Montgomery, Spartanburg, S. C.; C. L. Gilliland, Chester, Pa.; E. F. Woodside, Greenville, S. C.; T. H. Webb, Concord, N. C.

V. M. Montgomery of Spartanburg was elected to the National Council.

A beautiful medal was presented to Mr. Harris on his retirement from the presidency.

In off-hours, the visitors were entertained in most hospitable fashion by the people of Richmond, as guests at luncheons and dinners and at the golf clubs and other social gatherings. The entertainment committees were as follows:

Men's—Coleman Wortham, chairman; H. B. Cullen, T. B. McAdams, W. M. Addison, H. E. Litchford, George W. Watt, O. J. Sands, W. H. Schwartzschild, John L. Patterson, E. B. Syndor, W. T. Dabney, R. McC. Bullington, H. W. Jackson and J. Fulmer Bright.

Ladies—Mrs. Thomas B. McAdams, chairman; Mrs. John L. Patterson, Mrs. R. G. Cabell, Mrs. H. B. Cullen, Mrs. W. H. Schwartzschild, Mrs. H. G. Boykin, Mrs. T. C. Williams, Jr., Mrs. H. S. Hawes, Mrs. Edward Anderson, Mrs. Douglas Vander Hoof, Mrs. Coleman Wortham, Mrs. E. A. Reynolds.

No resolutions were adopted with more sincerity than that of the guests expressing their appreciation for this hospitality shown to them.

Elimination of Night Work and Realization of Full Responsibility to Employees Stressed by President Anderson of Bibb Manufacturing Company.

In "A Discussion of Some of the Conditions Confronting the Cotton Mills in the South," W. D. Anderson, president of the Bibb Manufacturing Company, Macon, Ga., presented one of the most important and most thoughtful addresses of the meeting. The "plain truth," as Mr. Anderson saw it, is that the industry "is making too many goods." Not that this is to be attributed entirely to an increase in spindles, or to a decrease in normal demand, but rather to the industry's continuance of manufacture on the abnormal scale stimulated by the war. Indeed, he added, only the temporary paralysis of competing countries, high pressure salesmanship, "at prices that left us without profit," and increased consumption due to style changes had enabled the industry "to travel thus far with its tremendously increased production." And supplementary to this he cited the efficiency developed in the shops.

Following these introductory explanations, Mr. Anderson continued, in part:

"In every worthwhile cotton mill in this country, we are today producing more pounds of goods per spindle, more yards of goods per loom and a greater production per operative in the mill than ever in the history of our industry. In spite of curtailment in our operations which began in December and has gradually increased since that time, the monthly figures on consumption of cotton indicate the tremendous production that continues to pour out of our mills. We are producing, with curtailment, more goods than we used to produce with the same machinery running at full speed. Consider the result: As a nation, we are rich beyond our dreams. Conditions throughout this country are fundamentally sound. Conditions elsewhere in the world have been gradually improved. The purchasing power of the population of the United States, and possibly of the world, is greater than ever before, and, excepting the period of war, the consumption of textiles the world over is greater than ever we have known.

"In spite of all these things, we cannot find a market for our product at prices that will yield a living profit. In fact, it is difficult to move our production at any price.

"Too many goods.

"My own idea of a remedy that will at once be efficacious, will be easiest to apply, will cost less and produce the minimum of shocks to the industry, is to quit operating our mills at night."

Various arguments have been advanced in favor of night operation of cotton mills, Mr. Anderson said, but he did not regard any of them, or any amplifications of them, as controlling. Certainly, their application must be modified to meet conditions that do not stand four-square with the theories on which these reasons are based, he argued. For one thing, he doubted the wisdom of having many persons work at night; for another, he considered night operation to be an unsound practice, except in emergency. In the course of his address he said:

"Readers of the Bible will recall the stately Scriptures of the eleventh chapter of the Epistle to the Hebrews, in which the Sacred Writer calls the roll of all the great heroes of faith, from the beginning of time down to his own day, and, as he makes them to march across the screen in remarkable life-likeness, he sketches with swift but unerring accuracy the character of their performance, so that the value and influence of their lives are easily apparent. At the end of the chapter, with a suddenness that is startling, the writer challenges his readers to make perfect the lives, performances and sacrifices of these heroes, and says in substance that unless the men and women to whom he is speaking shall carry on, then these have lived and wrought in vain.

"This, my friends, has been the challenge of the ages to men and women in each generation.

"You and I are the inheritors of a princely investment in

grimy sweat, spilled blood and spent life of those who have gone before us and carved out of the wilderness they found an inheritance of faith, of liberty, of civilization, of country, of everything we hold dear. All of our heroes who have marched with stately steppings across the pages of history have made their contribution to this task of making perfect the lives and performances of those who preceded them and who, falling, committed their tasks to the eager hands of the valiant men and women who have pressed forward to greater accomplishments, and have thus justified the work of all from whom they inherited.

"I think I can probably discuss the question of night operation of mills without giving offense to any, because of the fact that the corporation with which I am associated has carried on night operations for many years, and still does. So I am not approaching this proposition from a 'holier than thou' attitude. I am trying to approach the matter from the standpoint of one who has the accumulations of a life invested in cotton mill securities, and who intends to spend the balance of his days in attempting to operate a cotton mill so that those who own it may obtain a fair return on their investment, and so that those who labor in it may obtain an adequate return for their investment of time and effort in a living wage, and be able to have a home life that will contribute to greater joy in living and a finer type of citizenship for the generations to come.

"As we consider this question, let us try to divest ourselves of pride of opinion, convictions that have been previously expressed and defended, and which possibly were based on conditions that are different from those confronting us today, and let us strive to eliminate selfishness as nearly as it is possible for us to do, and, out of a study and consideration of the facts that are available, attempt to reach a sane and sound conclusion. I hope we will not limit our viewpoint of the proposition to the time we, who are here, expect to be in charge of the mills we represent. We should look beyond our day and time and concern ourselves in planning to conserve the future of the great industry into which we have put our lives.

"I suggest we should quit night operation of cotton mills for two very good reasons:

"First—I doubt the wisdom of having an appreciable percentage of the population of any community work continuously at night. The night hours are not the normal period of labor for human beings. I am disposed to think that for people in large numbers to work continuously at night is going counter to the laws of nature. I am quite sure that it is not best for the human race that women and girls—the mothers of the race—should work throughout the night. It may be that the present development of our civilization seems to require some night work—on railroads, in hospitals, in the operation of the telephone and the telegraph, for examples. If there be a justification for continuous night work in these lines, I do not believe that we can say that the necessities exist in the case of cotton mills. If we dismiss any other phase of the question, and consider the poor opportunities for sleep in the daytime for those who work at night, particularly in the summer, I think all of us would agree that continuous night work is not conducive to good health and does not make for that reasonable measure of comfort and happiness that is the just due of all. I am not attempting to dogmatize at this point, for when we attempt a discussion of this question we will be walking a way that is uncharted by the signboards of previous experiences. There is, however, a field for thought here that should engage the most earnest consideration of all who have a real interest in humanity. So I leave these suggestions for your thoughtful examination.

"Second—I am sure that in the present state of our industry and of business conditions generally, it is economically unsound to operate cotton spindles at night. I believe it is an unsound practice, except in cases and times of emergency.

"I suggest that we face the facts like sensible men and begin to use our heads to the limit of their capacity. As I said a while back, we are concerned not only with the present and with the immediate future of our business, but if we are wise we will plan for the more distant future. Our stockholders are concerned not only with the dividends or lack of dividends they are drawing today, but, if wise in their day and generation, are greatly concerned with the thought of

what dividends their posterity will draw from the investment they have made in our mills.

"I fear that in promoting the night operation of mills here in the South we have been greedily bartering our birthright for a questionable mess of pottage.

"We of the South must solve this question for ourselves. This is our own country by right and inheritance. The rich opportunities are ours. I want to preserve all of these good things for our own people. If that be selfishness and pride, I am willing for anyone to make the most of it. I repeat that we must solve this problem for ourselves. Our Yankee friends are pouring in here as fast as ever they can. If rumor and report are to be credited, about the only thing that is keeping any of them from moving down is lack of money with which to make the move. In some cases, the South is furnishing the money to finance the move, so great is our anxiety for an industrial development. I think you will find that in practically all cases the moving of mills from the East to the South has been made, probably voted and financed, on the proposition that they will operate day and night. Our friends up there speak of other advantages offered by our section, but I am convinced that the real reason that is moving them South is that they expect to operate their mills day and night.

"Mr. Lincoln once said that the nation could not live part slave and part free. Those mills who are not now operating at night will not be content to continue daylight operations while so many of their competitors are operating day and night. Humanity is a little weak at this point and is likely to yield to what seems to be the pressure of necessity. Unless something is done to put a stop to it, I think it safe to say that we will see an increasing number of cotton mills in the South build villages and begin night operations. If we follow this idea to a logical conclusion, then we will come in time to the point where practically all the mills in the South are running day and night. When that time comes, the advantage of night running, if any advantage exists, of course, disappears, and unless a miracle occurs in the shape of a greatly increased demand for goods, our last condition will be worse than our first.

"I claim that it would be better for our industry as a whole, better for each of us individually, whatever our policy may have been in the past, that it would make for a greater stability of our market, that it would give permanency to our business and to the expectation of a reasonable return on our investment, if we would draw a line right here and now and put a stop to the night operations of mills in the South.

"Another matter that I want to talk to you about and to which I invite your thoughtful consideration is one that is commonly referred to today as our 'Industrial Relations.'

"I do not believe that any of the popular terms in use quite describe what I am talking about, and I do not care particularly for any of these descriptive terms. I am referring to the relations that exist between the mill owners—the mill management—and the employees in the mills. I have in mind the feeling which the great body of men and women who operate our mills for us have toward the men and women who own the mills and are represented in the picture by the mill management. I am thinking of the attitude of those who own the properties and those who manage these properties, toward this great and increasing throng of men and women who each morning, at the sound of the whistle, file into the mills and take their places at the machines, and each afternoon come pouring out the gates to find their way back to that most sacred of all places—home.

"I am inviting your thought to the task of deciding whether or not we, who own and operate the mills of the South, are exercising ourselves to go to the limit of ability and propriety in seeing to it that those who labor with us in this great industry are receiving everything that is their due.

"I am not inviting you to any manifestation of sentimentality over this matter. There is involved in it something more fundamental than emotion, something bigger, better and finer than philanthropy, something deeper than a show of interest in those who perform the manual tasks involved in plant operation. The thing I am talking about strikes down to the very mudsills upon which proper human relations are built. It is something about which we are either right or wrong.

"When I think of conditions here in the South, from the close of the war until the early 90's, when I consider the conditions of all of our people in those days and compare these conditions with those of the present day, when I compare the conditions of the tenant class of farmers in those days with the happy lot of many of these same men and women, and thousands of their children, joyously at work in

our mills, making more money than their wildest dreams ever pictured, living in comfortable homes, electrically lighted, equipped with sanitary toilets and bath tubs, running water in the kitchen for the housewife; when I think of the miserable one-room school houses, such as the one in which I began my education as a boy, with one indifferently equipped teacher standing over a handful of children, trying to teach them everything from the A B C's to the classics, and compare this situation with the school facilities offered the children in the average cotton mill village today; when I think of the heart-breaking meagerness of opportunity for social contacts, the painful paltriness, the almost total absence of facilities for any healthful recreational life for the boys and girls in such communities, and compare these with the healthy social life of our best mill communities, the playground equipment, and other wonderful facilities that are provided to give joy to the children, the young boys and girls; when I think of all these things, I want to take off my hat to the men who pioneered all of this, and to their successors who have improved it and brought it to the conditions of the present day.

"If I had St. Paul's gift, I could write a chapter in the history of our industry that would almost rival that eleventh chapter of the Epistle to the Hebrews. By faith, William Gregg. By faith, T. F. Pelzer. By faith, Michael Holt. By faith, William Bates. By faith, Ellison A. Smyth. By faith, John P. King. By faith, Charles Estes. By faith, R. M. Gunby. By faith, G. P. Swift. By faith, Louis Hamburger. By faith, D. E. Converse. By faith, John H. Montgomery. By faith, H. P. Hammett. By faith, Reverend F. J. Murdock. By faith, D. A. Tompkins. By faith, R. A. Schoolfield. By faith, T. B. Fitzgerald—the record would read. 'And, what more shall I say?' for time would fail me to tell of the Cleavelands, the Sibleys, the Hickmans, the Cannons, the Rhynes, the Springs, the Orrs, the Parkers, the Jordans, the Callaways, the Hansons, the Laniers, the Comers, and a host of other heroes who have had a part in our development, and who, through faith in our people and in our future, subdued difficulties, wrought miracles of finance, fought the blindness of their neighbors, 'out of weakness were made strong, waxed valiant in fight,' and put to flight the unbelief of our own people. The chapter would be wonderful if it were properly written."

Turning to "Industrial relations," as between the mill management and the workers, Mr. Anderson continued:

"Neither the men of the past nor the men who manage the mills in the South today deserve to be attacked, harassed and embarrassed in their efforts to solve the difficult problems confronting them, by any set of men, from either North or South; surely, not by any group of men who claim the South as home; least of all, by Bishop Cannon and his associates, who, living here among us, should know what has been done, what we are now doing, and, if really interested, could have found out what we hope to do. These men have been called to be our spiritual guides and leaders and many of us have been taught from childhood to look to those who occupy such high places as they occupy, not only for sympathy and help, but also for direction to a place from whence issues strength and guidance for every task. The men and women who own these mills and are engaged in the very difficult task of trying to keep them in operation are, for the most part, the Stewards, the Elders, the Deacons, the Sunday school superintendents, and the lay leaders of Bishop Cannon's church and churches of those who signed with him. They are the men and women who are helping the Bishop and his 41 associates to do everything he is doing that is really worthwhile, to speed the coming of the Kingdom of God among men.

"These men and women have no qualities of the chameleon that they wear a different countenance when they deal with their cotton mill problems from that which they present as they sit in their pews. They do not play Dr. Jekyll in one relation on Sunday, and Mr. Hyde in another on Monday. No one knows better that the distinguished Bishop that in no previous age have men carried their religion into business as they do today.

"It may be that I erred in using the word 'attack,' as his paper was called an 'appeal'; however, everyone with whom I talked construed it as an 'attack.'

"A Bishop ought to know men better."

As to so-called "child labor" in Southern cotton mills, Mr. Anderson attributed that agitation largely to New England mill men and to officers and field agents of "welfare work" and sociological organizations at Washington and elsewhere, and expressed doubt that child labor in the South

ever had warranted "the talk and mouth-foaming" that has been prevalent through the years. For instance, in 1924, Alexander Lincoln, Assistant Attorney General of Massachusetts, had said that "the impression that young children were employed in large numbers in Southern cotton mills under harmful conditions" was entirely "without any justification in fact." Also, Mr. Lincoln had quoted the census to show that in 1920 only 431 children under 14 were employed in the cotton mills of North Carolina, South Carolina, Georgia, Alabama and Tennessee; and: "I am indebted to Mr. Richard W. Edmonds for these facts, in an article written by him and originally printed in Barron's," said Mr. Anderson. Statutory protection for children in shops is equal in Southern States to that in other sections, he declared.

Turning then to wages, Mr. Anderson said that the industry now is paying all it can afford and that, on the basis of respective conditions, investigation showed that Southern mill workers "are today even better off in their earnings, in comparison." Furthermore, the workers' wages go farther in the South than elsewhere, and also he "challenged the advocates of shorter hours of labor in the South to put the question to a vote of the mill employees, themselves."

"It is unnecessary to enter into any elaborate defense of the cotton mill village," said Mr. Anderson, recurring to the utterances of Bishop Cannon and his friends. "If we use the best half of our mill villages in the South as a basis for comparison, I would say that the houses provided, in point of comfort and convenience for all the family, particularly for the housewife, the home surroundings, the opportunities for education of the young of the family, the church facilities and many other things affecting the happiness and comfort of the family, are superior to those enjoyed by the well-to-do country people.

"The pleasant and cordial relations existing here in the South between employers and employees are the marvel and envy of other sections of the country. Nothing like it is to be found in any other part of the United States."

In conclusion, Mr. Anderson said:

"I propose that this association establish a Department of Industrial Relations, attached to the office of the secretary and treasurer, and supply that department with a sufficient number of capable men or women, or both, who, under the guidance and direction of the officers of this association and the board of government, will seek to promote throughout the entire industry the very best things for which the best men in the industry stand, and which they are practicing daily in the conduct of their business in its relation to their employees.

"Let us do this because we are resolved that this is our industry, our country; that those who work with us in the mills are our friends and fellow-laborers, and that we know better how to do what is needed than any one else knows—that all of this is our task and our responsibility, and that we will work at the job until it is finished, so far as you and I can finish it."

Contracts for \$1,500,000 Texas Building.

Amarillo, Tex.—General contract has been awarded at approximately \$900,000 to the Brennan Construction Company, Amarillo, for the erection of the new office building here for the Panhandle & Santa Fe Railway Company, M. C. Blanchard, chief engineer. Excavation contract has been awarded to the McKnight Transfer, Livery & Sales Company, Amarillo, and structural steel contract to the Mosher Steel & Machinery Company, Dallas. The building will be 12 stories with two additional recessed stories, 90 by 140 feet, double concrete basement, marble base, granite and terra cotta construction, metal windows and skylights and hollow metal partitions. It will be equipped with fire escapes and elevators and will cost complete about \$1,500,000. E. A. Harrison, of the Santa Fe System, St. Louis, is the architect.

Necessity for Placing Agriculture on Industrial Basis Emphasized at Annual Meeting of Georgia Association.

[Telegram to Manufacturers Record.]

Tifton, Ga., May 16.

Industrialization of agriculture was stressed from different angles by three outstanding Southern leaders as the South's greatest economic need, at the eighth annual meeting of the Georgia Association here today before an audience of 300 business and farm leaders of the State. The editor of the MANUFACTURERS RECORD sent a letter to the meeting showing the rapid rise of the South's industrial leadership and the equally marked trend toward the industrialization of agriculture through livestock and diversification.

H. M. Atkinson, chairman of the board of the Georgia Power Company, showed how development of hydro-electric power has opened the way to the South's industrial growth and declared that the rehabilitation of agriculture through the industrialization of farms presents the South's greatest present economic problem. Burdette G. Lewis of Green Cove Springs, Fla., delivered an able address on the South's market problem, stressing industrialization of the farm and co-operation in marketing as indispensable to the maintenance of the agricultural industry.

All speakers were optimistic as to the future. Ready-to-go farms which attracted 175 new farmers to Tift County through plans of co-operation between the Tift County Board of Trade and the Georgia Association were visited. It was the largest and best meeting in the history of the association.

H. G. Hastings of Atlanta and F. H. Abbott of Waycross, were re-elected president and secretary, respectively, and the following vice-presidents were elected: H. Abit Nix of Athens; Paul W. Jones of Canton; Dr. W. W. Williams of Folkston. Present vice-presidents were re-elected as follows: Henderson Hallman, Atlanta; J. M. Patterson, Albany; J. E. Turner, Fitzgerald; W. C. Stokes, Jeffersonville; R. L. McKinney, Macon; Bright McConnell, Augusta; R. L. Cooper, Savannah. F. H. ABBOTT.

Seaboard Air Line Denied Control of South Georgia Railway.

A denial of the Seaboard Air Line Railway application for permission to take over the South Georgia Railway by purchasing its capital stock was handed down last week by the Interstate Commerce Commission.

The South Georgia line, 81 miles long, runs from Adel, Ga., to Hampton Springs, Fla., and the Seaboard proposed to rent it for an annual charge of \$38,280 per year, taking an option to purchase for \$788,900.

In refusing to allow the completion of the project, the commission declared that the Seaboard earnings had declined sharply in 1927 and that that road "should not undertake the assumption of additional financial burdens" at the present time. It was declared that the prospect for profitable operation of the South Georgia was not good.

\$5,000,000 Union Station for Oklahoma City.

Oklahoma City, Okla.—The Interstate Commerce Commission, Washington, D. C., has approved the abandonment by the Chicago, Rock Island and Pacific Railway Company of a portion of its track in this city and the erection of a passenger station to be used by that company, its subsidiary, the Choctaw, Oklahoma and Gulf Railway, and the St. Louis-San Francisco Railway Company. The line to be abandoned is .77 mile, while the construction of necessary trackage will cover 7.6 miles estimated to cost \$2,026,435. The proposed station will cost about \$5,000,000.

Striking Revival of Confidence and Building Activity in West Palm Beach, Florida.

By GERRY SWINEHART.

[Author's Note—A painstaking effort has been made toward accuracy in the compilation of data for this article. However, I have been forced to rely upon those sources reporting information to me. Moreover, if these facts are not entirely comprehensive and all-embracing, it is due to the fact that some interested parties did not respond to my advertised request for all information of this kind and therefore the list of improvements may not embrace everything under way.]

For the first time since 1925-1926, piles of lumber, brick, sacks of cement, mortar boxes and red lanterns are again cluttering up the streets of West Palm Beach and that area of which it is the capital city. Road graders, steam shovels, engineers, architects and craftsmen have work to do again.

A city and a section, responding briskly to a constructive reaction from an abnormal action, have weathered the storm. Fair weather is ahead. The clouds are almost gone. The sea of commerce is stabilizing. More than \$13,000,000 worth of construction is under way, beginning or recently completed.

Facts will tell this story. They will come as a big surprise to many a pessimist and chronic calamity howler—in Florida, and elsewhere.

Following is a compendium of work now under construction, ready to begin or recently completed in or affecting the West Palm Beach district, as reported to this writer:

City of West Palm Beach, municipal improvements, including sewer, street and light work, beginning.....	\$413,100
State Road Department, State Road No. 25, extending from West Palm Beach across the Everglades to Fort Myers, now under way, to cost complete.....	650,000

City of West Palm Beach, building permits for the year 1927	1,031,343
Town of Palm Beach, building permits for 1927.....	1,691,699
Alfred H. Wagg Organization, Marimont, a subdivision of West Palm Beach; street, sidewalk and curb work, now under construction	250,000
Port of Palm Beach, terminal facilities completed.....	198,222
Additional terminal work nearing completion.....	25,000
Deepening channel to 18 feet through rock cut, completed	75,000
Palm Beach County Board of Public Instruction, junior high school at Lake Worth, under construction; Harry Bennett, Lake Worth, architect.....	90,000
Junior high school at Pahokee, nearing completion; Harvey and Clarke, West Palm Beach, architects....	44,000
West Palm Beach Water Company, improvements and extensions in Palm Beach and West Palm Beach, recently completed.....	150,000
Palm Beach County, repair of Ocean Boulevard in Palm Beach completed.....	30,000
Protection of Ocean Boulevard south of Lake Worth, construction of bulkhead and jetties, work to begin at once; Jake Boyd, County Engineer.....	60,000
Auditorium in West Palm Beach, just completed; King & Campbell, architects.....	30,000
Boca Raton Club and Spanish River Land Company, at Boca Raton, 25 miles south of West Palm Beach, development, to include \$1,500,000 addition to club house; \$150,000 casino; \$250,000 for two golf courses; \$100,000 landscaping and beautification; \$150,000 dredging lake and cutting new channel to ocean; \$500,000 for bridges and general improvement;; \$1,500,000 general development of property. Work on various phases now under construction; work on club house addition, expected to start September or October, total ultimate cost.....	5,000,000
Charles B. Watkins and Paul I. Majewski, first unit of theatre, restaurant and roof garden, under construction; Floyd E. King, architect (finished project to cost \$100,000) in West Palm Beach.....	15,000
Town of Boynton, municipal bathing casino, nearly completed; King & Campbell, architects.....	30,000
Mrs. J. H. Bassett, Flint, Mich., residence in Palm Beach, under construction; Marion Sims Wyeth, architect..	65,000
Stanley C. Warwick, supper club in Palm Beach, scheduled	



CLEMATIS STREET, WEST PALM BEACH, MAY, 1928.

for construction this summer; Treanor & Fatio, architects	100,000
Margaretta M. Lowther, Palm Beach home, under construction; Treanor and Fatio, architects.....	40,000
H. Carroll Haskins, additions and alterations to Palm Beach home completed; Howard Major, architect....	15,000
Palm Beach County Board of Public Instruction, junior high school in West Palm Beach, work to begin this summer; Bruce Kitchell, architect.....	75,000
Palm Beach County Board of Public Instruction, junior high school at South Bay, work to begin this summer; Harry Bennett, Lake Worth, architect.....	75,000
Mortimer Schiff, home in Palm Beach, work planned to begin immediately; Treanor and Fatio, architects....	250,000
The Palm Beach Company, four buildings, combining shops, offices and apartments in Palm Beach, to begin in May; Treanor and Fatio, architects.....	150,000
Phipps Plaza, additions to existing buildings, Palm Beach, work under construction; Treanor and Fatio, architects	150,000
Mrs. Charles C. Chase, Oshkosh, Wis., home in Palm Beach; Treanor and Fatio, architects.....	100,000
Emil J. Stehli, additions and alterations to home in Palm Beach, now under construction; Treanor and Fatio, architects	75,000
Jules S. Bache, additions and alterations to Palm Beach home, nearing completion; Howard Major, architect..	15,000
W. B. Jarvis, Grand Rapids, Mich., home in Palm Beach, under construction; King & Campbell, architects....	35,000
Jacob H. Marx, Chicago, home in Palm Beach under construction; Volk & Maass, architects.....	35,000
Allan P. Kirby, Wilkes Barre, Pa., new home in Palm Beach, just beginning; Marlon Sims Wyeth, architect	100,000
William J. McAneeny, Detroit, home in Palm Beach, work under construction; Treanor and Fatio, architects..	300,000
Richard McAllister, additions and alterations to West Palm Beach business property, under construction; King & Campbell, architects.....	50,000
Sailfish Club of Palm Beach and Whist Club of Palm Beach, combined clubhouse and two piers in Palm Beach, work now beginning; R. C. Warner, architect	17,450
Palm Beach County, road and bridge work, completed within last six months in all parts of county.....	300,000
State of Florida and County of Palm Beach, construction State Road No. 4 and widening from standard 18 ft. to 24 ft. now under construction, Delray to county line	267,000
Palm Beach County, road at Boynton, now under construction	42,000
Palm Beach County, bridge at Boca Raton, now under construction	50,000
Palm Beach County, road at Canal Point, now under construction	11,000
Palm Beach County, two roads at Jupiter, under construction	6,000
Palm Beach County, road to Brown plantation, under construction	10,000
J. D. Gedney, home on Ocean Blvd., near Boynton, ready to begin; Addison Mizner, architect.....	70,000
Howard Major, additions and alterations to residence in Palm Beach, under way; Howard Major, architect....	12,000
Dr. Francis Landon Humphreys, residence on boulevard near Boynton, under construction; Marlon Sims Wyeth, architect.....	50,000
Palm Beach County Board of Public Instruction, school gymnasium at Lake Worth, under construction; Harry Bennett, architect	15,000
Frank Vernon Skiff, additions and alterations to Palm Beach home completed; Howard Major, architect....	15,000
E. Z. Nutting, Huntington, L. I., home in Palm Beach, under construction; Julius Jacob, architect.....	100,000
Payne Chapel, negro church, in West Palm Beach, completing construction begun months ago.....	75,000
St. Paul's African Methodist Church, in West Palm Beach, under construction	12,000
John F. Harris, donor, 20-room addition to Good Samaritan Hospital, West Palm Beach, to begin this summer, cost approximately	50,000
City of West Palm Beach, building permits to May 1, 1928	145,000
Town of Palm Beach, building permits to May 1, 1928..	403,975
Town of Jupiter, 16 miles north of West Palm Beach, building permits for year 1927, including new high school	135,000
Building permits to April 1, 1928.....	3,450
George Dobyne, additions and alterations to home in Palm Beach, work beginning; Howard Major, architect....	8,000
E. E. Allyne, Cleveland financier, alterations to home at Lantana, work beginning; Howard Major, architect..	60,000
Total	\$13,271,239

More facts: Tabulation of work proposed in the West Palm Beach district, within the next few months, as reported to the writer:

Isaac W. Bernheim, hotel in West Palm Beach, work announced to begin within one year.....	\$1,000,000
Richard Cowel, home in Palm Beach, work expected to start soon; Howard Major, architect.....	75,000
Palm Beach County Board of Public Instruction, combined gymnasium and auditorium in Palm Beach, expected to begin this summer; King and Campbell, architects.	15,000
John Demerest, alterations to home on Hypoluxo Island, work expected to start soon; Howard Major, architect	75,000
Warner Jones, Palm Beach home, expected to begin at once; Treanor and Fatio, architects.....	75,000

Alfred Schmidt, Palm Beach home, expected to begin at once; Treanor and Fatio, architects.....	75,000
George C. Osborn, Jupiter, Florida, store building proposed for near future	3,500
Seaboard Air Line Railway Company, additional railway station, West Palm Beach, expected to start soon; Seaboard Air Line Engineers, architects.....	10,000
J. H. Behrens, new home in Palm Beach, work expected to start soon; Volk and Maas, architects.....	50,000
Two houses in Palm Beach, owners' names temporarily withheld, to be ready for next season; Bruce Kitchell, architect; each, approximately, \$100,000.....	200,000
Total	\$1,578,500



OLIVE AVENUE, THE "WALL STREET" OF WEST PALM BEACH, MAY, 1928.

While building and general improvement and development work in the past few months have been active, the West Palm Beach district has witnessed also the rise of other factors pointing to the early establishment of the section as a self-sustaining community.

Agricultural.

Most important, perhaps, as far as the future of this section is concerned, was a decision of the Supreme Court of the State, March 26, upholding the \$20,000,000 bond issue for the completion of Everglades drainage. Work, it is understood, will begin during the summer, provided all legal obstacles are cleared away. The bonds have been sold, contingent upon the favorable decision of the Supreme Court.

And, since the commercial future of the district admittedly

will be predicated on agriculture, figures embraced in the first really comprehensive farm survey ever made of Palm Beach county also are of tremendous import. These show the status of Palm Beach county from July 1, 1926, to June 30, 1927, as follows:

Gallons of milk produced.....	774,739
Value	\$289,438
Number of chickens in the county.....	30,082
Value	\$56,576
Eggs produced	95,376
Value	\$37,888
Cows kept for milk only.....	1,697
Value	\$153,281
Crops (vegetables, etc.).....	\$1,060,945
Fruit—value	\$661,410

Announcement was recently made by the State Board of Agriculture of the beginning of steel work on the sugar mill of the Southland Sugar Company at Clewiston, and the state-

Rainbow Gardens, Inc., is to be offered in five-acre plots. Special efforts are to be made to encourage chicken raising, fruits and vegetables.

Greatly increased activity is noted in the production and distribution of Palm Beach County Everglades farm and truck products, as indicated by the fact that in the eight days from February 16 to February 23 growers in this region received an income of more than \$60,000 as a result of the movement north of 27 cars from one part of the county.

The development of the Lake Worth drainage district within the last 12 months shows a 300 per cent increase and a census of that district reveals 17 poultry farms, 1425 cows, 388 hogs, 3500 hens, and garden truck in great quantities. Sugar cane is being planted on a large scale by the Southern Sugar Company, in the Everglades, and there is an intensification of activities of the Brown Company on its plantation on the Hillsboro canal. In addition, there are many other activities, factors and announcements which illustrate the present trend toward substantial development. The most outstanding among these are listed herewith in brief form:

Financial.

Completion of a deal whereby R. M. Grant, C. W. Rapp and H. B. Hand of New York will advance the City of West Palm Beach \$1,600,000 worth of refunding bonds, in addition to the present \$3,500,000 refunding issue now outstanding. The \$1,600,000 program was actually put into operation on March 14, when the City Commissioners authorized the issuance of \$669,000 worth of bonds as a first issue.

Announcement by the Palm Beach Guaranty Company of a plan whereby \$7,000,000 worth of local bond issues and mortgage loans will be refinanced. Under this plan, bonds aggregating \$4,000,000 will be refinanced at 6 per cent and mortgages amounting to \$3,000,000 will be refinanced at 8 per cent. Under the plan, by which mortgages and bonds on 21 apartments, hotels and office buildings in this vicinity will come due from three to 15 years from the present time, \$1,000,000, the income of those structures for a year, will be kept in Palm Beach and West Palm Beach, to pay taxes, insurance and operating costs. Northern investors are co-operating with the arrangement.

Evidence of improved financial conditions in West Palm Beach, and promise of benefit to real estate and home owners, is seen in the announcement of the First American Bank and Trust Company that it has organized a mortgage loan de-



Photo Courtesy A. I. V. Wilson Company

THE LUCIA P. DOW, BOSTON SCHOONER.

Loading lumber at new terminals of the Port of Palm Beach. More than 4,000,000 feet has been exported from this port since January 22, 1928

ment is that construction will be rushed, in order that the grinding of cane may begin on November 1.

The J. B. McDonald Realty Company, as agent of a colonization project on 1,000-acre tract six miles west of West Palm Beach, announces that work will be undertaken at once by Homer Rodeheaver, nationally known for his religious music and song. The development, to be known as



PICKING GREEN BEANS ON THE R. L. BRADDOCK FARM AT BELLE GLADE, IN PALM BEACH COUNTY EVERGLADES.

partment to cater to loans of from \$2,000 to \$6,500, to be made at the usual interest rate, with no excessive charges and to be repaid in monthly installments, if desired.

Transportation.

The beginning of construction on the new Dixie Highway, or State road No. 4, from West Palm Beach to the south county line, at a cost of \$267,000, and the beginning of work on State road No. 25, opening up vast new areas of the Everglades, make West Palm Beach and Fort Myers neighbors, and provide a new modern, hard surfaced, cross-state highway.

Announcement has been made of the appointment of John H. DeMott, West Palm Beach airman, as local representative, and adoption of a tentative schedule and route by Dixie and Northern Air Line, Inc., which plan to operate passenger planes between Miami and Detroit. Service is expected to start this fall.

Industrial and Maritime.

Announcement by Captain A. S. Anderson, West Palm Beach, that a \$250,000 cold and dry storage warehouse will be erected at the port of Palm Beach, if site at Inlet terminals can be obtained, and announcement that the Inlet Board will offer lease for such a site. Plans for construction of this building are said to call for 60,000 square feet of floor space.

Possibility of the establishment in West Palm Beach this year of a large hard wood mill by Clyde Peck, lumberman, Muscatine, Wis., and associates. The proposed mill would be expected, according to reports, to handle about \$10,000,000 worth of lumber in the first year of its establishment, at a cost of approximately \$1,400,000, with a \$600,000 milling expense.

Possible establishment of a casket factory, as a branch of one owned in Wisconsin, in connection with establishment of the mill mentioned. All hardwood lumber, which it is proposed to import, would come from Panama, where sources are said to have been established.

Announcement that the manufacture of the new product, "Shawning," a reinforced wooden awning designed to serve the purpose of both a canvas awning and a shutter, will be begun here within a short time, by Flury and Crouch, local mill work concern.

Increased activity toward the establishment of a prosperous south Florida commercial fishing business, as indicated in a report compiled by Mayor P. C. Bjerrejus of Riviera, four miles north of West Palm Beach, showing that during the 1927-28 fishing season a total of approximately 2,000,000 pounds of fish were shipped to the North, creating local pay-rolls aggregating approximately \$200,000.

Entrance into a formal contract for the purchase from the H. S. Kelsey interests of the Florida East Coast canal by the commissioners of the Florida Inland Navigation District, for a consideration of \$725,000, on January 6, by which the canal passed into the hands of the district, preliminary to turning the waterway over to the Federal Government for improvement under the provisions of an appropriation for more than \$4,000,000 to provide a first class intracoastal waterway from Jacksonville to Miami.

Continuation of work on the completion of the Port of Palm Beach and its terminal facilities.

The inauguration of lumber exportation from the Port of Palm Beach and a steadily increasing activity in this now rapidly growing local industry. From January 22 to May 1, 1928, more than 2,000,000 feet of locally produced lumber was exported to markets in Baltimore, Boston, Cuba and other ports. By June 1, 500,000 more feet of lumber will have been exported, it is estimated. A recent survey has shown that approximately 60,000,000 feet of lumber is available for eventual shipment through the Port of Palm Beach.

Report on freight shipments delivered to the Port during

February by the steamers of the Merchant and Miners Transportation Company, disclosing that business on the line to the local port has increased from 1,141 tons in February, 1927, to 2,055 tons in February, 1928.

General reduction of water transportation rates where rail connections are made.

Extension of a fast ocean freight service to the county's growers and shippers, by the steamship lines entering the port.

Growth and Other Activities.

Publication on May 3 of a survey just made by the Greater Palm Beach Chamber of Commerce, showing gains of from 300 to 500 per cent between 1920 and 1927, in every line of community endeavor in Palm Beach and West Palm Beach.

Growing demand for improved real estate within West Palm Beach, resumption of development activity in one subdivision, Northern investors eager to buy for cash, and the purchase of 50 feet of down-town business property for \$125,000 in cash by B. H. Krogar of Cincinnati and Palm Beach.

Announcement of belief that the materials market has hit bottom and news of a stiffening in materials prices at the present time.

Announcement of 10 to 12 per cent reductions, both effective and proposed, in building crafts wage scales, and a consequent stimulation in building activity.

Practice of rigid economy by city administration, resulting in savings of hundreds of thousands of dollars to taxpayers in operation of West Palm Beach; more efficiency in all city departments at greatly reduced cost.

Thus, the trend of the present.

West Palm Beach and vicinity are living and learning now. No doubt, there are a few more lessons to assimilate. At all events, optimism is putting a silencer on pessimism; the section and the city are striding toward self-sustenance, the financial and mental kinks are coming out, and—more than \$13,000,000 worth of construction is under way, beginning or just completed!

A Decrease in Railroad Freight Traffic.

The volume of freight traffic handled by Class 1 railroads in the first three months of 1928 amounted to 111,435,536,000 net ton miles, according to the Bureau of Railway Economics. This was a decrease of 6,862,674,000 net ton miles, or 5.8 per cent below the corresponding period last year.

Railroads in the Eastern District for the three months period reported a decrease of 11.2 per cent in the volume of traffic handled compared with the same period in 1927 while the Southern District reported a decrease of 7 per cent. The Western District reported an increase of 3.1 per cent.

In March the volume of freight handled by Class 1 railroads amounted to 39,467,405,000 net ton miles, a decrease of 2,349,501,000 net ton miles, or 5.6 per cent below March, 1927.

In the Eastern District, there was a decrease of 12.1 per cent in March compared with the same month last year in the volume of freight traffic while the Southern District showed a decrease of 4.8 per cent. The Western District reported an increase of 4.1 per cent.

\$2,500,000 Development for Oklahoma City.

Oklahoma City, Okla.—A tract of 151 acres at Twenty-third street and Eastern avenue has been purchased by John J. Harden, Inc., for a model development, estimated to involve an expenditure of \$2,500,000. The ground is being prepared for the immediate erection of 20 concrete, tile and stucco residences, while brick and stone dwellings will also be built. Streets will be paved and water, gas and electrical service installed.

Seaboard Air Line Report for 1927 and First Quarter Conditions in 1928.

While the annual report of the Seaboard Air Line for 1927, published recently, shows sharp declines in both gross and net operating revenues, it also lists factors making for greater economy of operation and suggesting probabilities of larger income for the current year. Operating revenues for 1926 were \$67,024,853, as compared with \$61,790,149 for 1927, or a decline of 7.8 per cent. To partially offset this, operating expenses were reduced from \$49,253,001 in 1926 to \$46,873,315 in 1927, leaving a net decrease in operating revenue of \$2,855,017. After deducting all interest and other fixed charges, the net income for 1927 was \$31,576, as compared with a net income the preceding year of \$3,178,670, or more than 100 times as much. In other words, the road little more than broke even.

The decline in the company's gross revenues was due largely to the general slowing up of business during 1927, and was felt in every branch of the business without exception. Thus, freight revenues were less by \$2,426,532; passenger revenues, by \$2,498,508; mail revenues, by \$18,797; express, by \$65,594; and other transportation, by \$210,767. While other roads suffered from the general decline in business activity, the Seaboard felt the falling-off of activity in Florida very keenly.

So much for the worst side of the situation. It must be remembered that no organization of the size of the Seaboard can reduce expenses as rapidly as revenues may fall off. The morale of the organization must be preserved, the state commissions must be convinced of the necessity of cutting down on the number of trains, and other factors combine to make reductions in expenses considerably slower than reductions in revenue.

The company reports:

"Economies have already been instituted and additional savings in expenses are being inaugurated which should result in greater net income after fixed charges for 1928 than in 1927 when it amounted to \$1,281,000 [or to \$31,576 after interest on adjustment mortgage bonds]. These economies are of two kinds: Organization and operating economies not dependent upon fluctuating traffic conditions but permanent and of substantial amount: Careful adjustments of operating expenses in prompt recognition of fluctuation in volume of traffic."

Twelve all-steel passenger cars were added to the equipment, while contracts were let for 11 gas-electric motor cars and 12 trailers for use on runs where steam trains are not justified.

Additional business should be brought to the company's main line by feeders brought into operation during the year and projected for the future. Thus the Seaboard-All Florida Railway and the Naples, Seaboard and Gulf Railway completed construction of their lines during the year and were placed in operation by the company under lease, adding 208 miles to the operated mileage. In all, the mileage operated by the company increased by 274 miles during the year.

The same policy of expansion of territory served is being pursued this year, as is indicated by the application of the I. C. C. during 1928 for construction "by the Prince George & Chesterfield Railway for authority to construct a line of railroad from a point near Chester, Va., on the main line of the Seaboard between Richmond and Petersburg, to Hopewell, Va., a distance of approximately 14 miles." At the same time the company filed an application with the I. C. C. for authority to purchase the entire capital stock and lease of the Prince George & Chesterfield Railway. The proposed line would serve a rich and rapidly developing industrial area.

Prospects for 1928, as indicated by the business of the first quarter, are reported favorable. Net income after fixed charges for March was \$331,666 and it was expected, when

this estimate was made, that April net income would exceed fixed charges by something more than \$200,000.

The president's letter to stockholders concludes as follows:

"The Seaboard serves one of the most rapidly developing sections of the entire country. During the last few years the growth of this section of the South has been conspicuous. In my opinion the development during the next few years will progress more rapidly than at any time in the past, with resultant steady increase in the Seaboard's traffic."

Upward of \$8,000,000 Bonds Voted.

Kansas City, Mo.—Improvement items involving bond issues of approximately \$8,000,000 have been voted by Jackson County and Kansas City, while a number were defeated at a recent election. Items approved include a county highway system, \$6,500,000; municipal wharf on Missouri River, \$500,000; county hospital for poor, \$500,000, and Swope Park improvements in Kansas City, \$250,000.

Texas Carbon Black Plants Increase Output.

Austin, Tex.—By the end of this year more than a dozen carbon black manufacturing plants will be operating in Texas, most of them in the Panhandle district, according to information received by the oil and gas division, Texas Railroad Commission. Only residue from natural gas, after it has passed through casinghead gasoline plants, may be burned for making carbon black, under the law of this state. Last year's total production of carbon black in Texas was slightly more than 20,000,000 pounds. It is expected it will exceed 75,000,000 pounds in 1928.

Tarrant County's \$6,500,000 Water Control Plan.

Plans of the Tarrant County Water Control and Improvement District No. 1, Fort Worth, for providing flood control, water supply and irrigation, for which \$6,500,000 of bonds have been voted, will include a dam at Eagle Mountain, near Fort Worth, on the west fork of the Trinity River, to impound 210,000 acre feet of water for permanent use and 420,000 acre feet for flood control. A proposed Bridgeport Lake will be located about 50 miles from Fort Worth on the west fork of the Trinity River, to impound 290,000 acre feet of water for permanent use and 580,000 acre feet for flood storage. Earth dams will be constructed to contain approximately 5,000,000 cubic yards. Conduits, flood gates, shaft spillway and other appurtenances will also be constructed. Hawley and Freese of Fort Worth, are the engineers.

Great Potash Development in Texas Reported.

Odessa, Texas, May 19—[Special.]—An expenditure of approximately \$2,000,000 in constructing a potash refinery, sinking a shaft and installing mining equipment at its potash deposit, ten miles south of Odessa, will be made by the American Potash Company during the next year, according to Max Agress, president of the company. The company was recently incorporated with a stock of 10,000,000 shares of no par value. Its assets in potash holdings are valued at \$3,000,000, Mr. Agress said. One of the incorporators of the company is J. L. Lancaster of Dallas, president of the Texas & Pacific Railroad.

Government and private explorations of the potash beds of this section continue to be made with highly satisfactory results. Information has been received here of the discovery of a 50-foot bed of potash in drilling for oil upon the Connell ranch, ten miles west of Odessa; also of the discovery of a potash salt bed on the Parks ranch, four miles east of here, in an oil well at a depth of 1200 feet. The potash lakes of Terry and Lynn counties in the South Plains of Texas also are to be exploited.

\$12,000,000 UNIT OF POWER PROJECT.

Steam Plant of Duke System to Be Located on Catawba River in North Carolina—Contract Let for Two Large Generators.

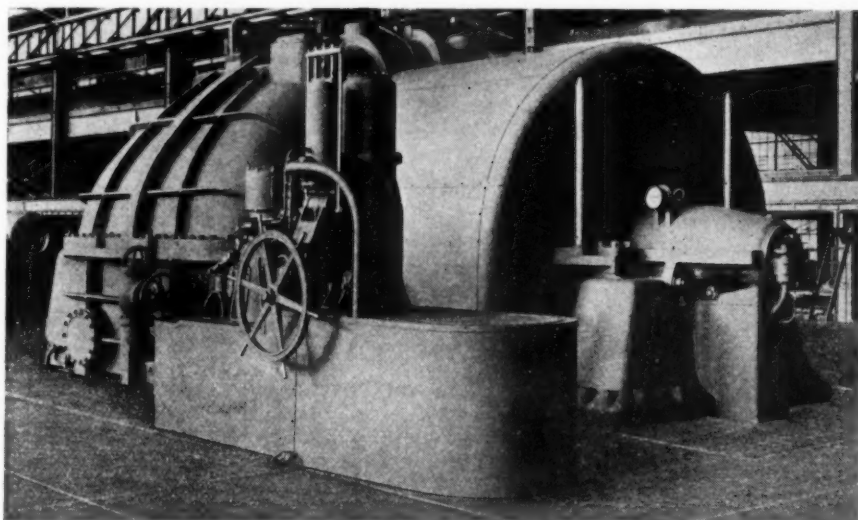
Details regarding the \$12,000,000 unit of the big steam power plant to be erected at River Bend on the Catawba River near Mount Holly, N. C., by the Duke Power Company, Charlotte, have been outlined by Thomas Fuller, Charlotte manager of the Westinghouse Electric & Manufacturing Company of East Pittsburgh, Pa. The Westinghouse company has been awarded contract for two turbo-steam generating units of a total of 150,000 horsepower capacity; these will be built in the South Philadelphia works of the company and will be placed in operation in the summer of 1929.

Mr. Fuller states that probably no more logical or natural site could have been selected for the project. It is in the geographical center of the Duke power system of more than

4000 miles of transmission and distribution lines extending practically into every section of the Piedmont Carolinas. The location is also ideal, it is declared, in lending itself to an almost perfect lay-out for such a plant. At the point selected, the river makes a horseshoe bend, the distance around the loop being approximately seven miles and the distance across the land, from point to point of the horseshoe, about 1800 feet. The plant will be erected between these two points, an outstanding advantage of the location being the fact that the huge volume of water necessary for condensing purposes may be taken from the river at the upper end of the bend, used in the plant and returned through a 1000-foot tunnel to the lower point of the bend of the river.

Not only will the plant be one of the largest steam stations in the Duke system, but it will be one of the largest in the Southeast, it is said, its ultimate capacity probably to be 600,000 horsepower in 8 units of 75,000 horsepower each. The Westinghouse contract calls for furnishing two units in duplicate, delivering, erecting and putting them in operation. The generating load will be a base load operating practically at full capacity during the 24 hours of the day.

Each turbine will be of the single cylinder, impulse reaction type operating at 1800 revolutions per minute. Steam will be supplied to the throttle at 400 pounds pressure per square inch, with a total temperature of 725 degrees Fahrenheit and will exhaust into large condensers at a pressure of two inches of mercury. The generators are each rated as 55,000 kilowatt, 80 per cent power factor producing three phase, 60 cycle current at a potential of 13,200 volts. A direct connected exciter, furnishing excitation to the main generator, will also be supplied. Boilers are to be fired by a unit system of pulverized fuel and provision will be made at the plant for the storage of 100,000 tons of coal.



TYPE OF TURBINE TO BE INSTALLED IN DUKE POWER PLANT AT RIVER BEND.

National Editors to See the South.

Memphis, Tenn., May 19—[Special.]—As host for the South to a great assemblage of welcome guests, Memphis is prepared for most hospitable welcome to the convention of the National Editorial Association, which meets here on May 28, 29 and 30 and will be supplemented by a tour that will take the visitors 2000 miles through the South, by special train, automobile and steamer. Business of an important nature, addresses by prominent men and awards of prizes for newspaper work will be leading features, but the trip through the South is anticipated by the delegates as probably the event of most value since most of them are from the North and West.

As outlined by the program, the flood district of the Mississippi River will be visited, permitting all to witness the rapid recovery being made from that great disaster; Shiloh National Park will be one of the historical points viewed, and Muscle Shoals, Reelfoot Lake and Wonder Cave will be explored. Lookout Mountain will be ascended, the Cherokee Trail will be traveled and the homes of Andrew Jackson and Andrew Johnson will be points of interest. At Chattanooga, the party will be luncheon guests of George Fort Milton, publisher of the Chattanooga News, and will attend a reception to Adolph Ochs of the Chattanooga Times and the New York Times.

The plans for the entertainment of the visitors are in the

hands of a committee with Hugh Doak of Nashville as chairman and Guy P. Newbern of Nashville, secretary. During their stay in Memphis, the members of the party will be guests of the Memphis Chamber of Commerce, the official host to the convention, and the Hotel Peabody will be convention headquarters.

Following the convention, the visitors will start on May 31 for Marianna, Ark., and thence to Dyersburg, Tenn., and on the following day will call at Jackson and Corinth, Miss. Sheffield, Ala., will be the host on the next day, when the travelers will inspect Muscle Shoals and visit Tusculumbia and Florence, also inspecting the phosphate fields in Maury county and winding up at Columbia.

So, the program will run through June 8, giving the visitors opportunity to become acquainted with part of the South and to gather some idea of its greatness.

Information relating to the National Editorial Association or the convention and outing can be obtained from H. C. Hotelling, executive secretary, 622 Merchants National Bank Building, St. Paul, Minn.

Shoe Manufacturing Progress in Missouri.

Progress of shoe manufacturing in the vicinity of St. Louis is attributed by some largely to the policy of locating plants away from the metropolitan center to take advantage of economies resulting from lower site values, taxes and wages,

states the Department of Commerce. In some cases the community has donated the ground and provided the factory on condition only that the manufacturer maintain a stipulated annual payroll. Five St. Louis shoe manufacturers in recent years have established payrolls varying from \$750,000 to \$1,250,000 in each of 56 small towns within 200 miles of the metropolitan center. These plants employ 31,000 persons, with annual compensation said to have aggregated \$46,000,000.

Final Government Figures of Cotton Crop of 1927.

Revised estimates of cotton acreage, yield per acre, and production, 1927, by States, as reported by the Department of Agriculture.

State	Area in Cultivation July 1, 1927. Acres	Area picked, 1927. Acres	Yield of lint cotton picked per acre, 1927. Pounds	Production, 1927.* 500 lbs. Bales	Ginnings 1927 crop reported by Census March 20, 1928.† Bales, 500 lbs. Gross
Virginia	65,000	64,000	230	31,000	30,432
North Carolina	1,749,000	1,728,000	238	861,000	860,876
South Carolina	2,454,000	2,356,000	148	730,000	729,942
Georgia	3,501,000	3,413,000	154	1,100,000	1,099,568
Florida	67,000	64,000	126	17,000	16,496
Missouri	305,000	291,000	188	115,000	114,125
Tennessee	985,000	965,000	178	359,000	358,755
Alabama	3,214,000	3,166,000	180	1,191,000	1,192,262
Mississippi	3,408,000	3,340,000	194	1,355,000	1,355,098
Louisiana	1,585,000	1,542,000	170	548,000	547,437
Texas	16,850,000	16,176,000	129	4,352,000	4,354,621
Oklahoma	4,187,000	3,601,000	138	1,037,000	1,036,606
Arkansas	3,142,000	3,048,000	157	1,000,000	999,657
New Mexico	100,000	95,000	352	70,000	65,249
Arizona	140,000	139,000	315	91,000	91,589
California	130,000	128,000	340	91,000	91,177
All other	22,000	22,000	160	7,000	6,583
U. S. total	41,905,000	40,138,000	154.5	12,955,000	12,950,473
Lower Calif. (Old Mex.)†	110,000	110,000	194	\$45,000	.....

*Bales rounded to thousands. Allowances made for cross State ginnings.

†The statistics in this report for 1927 are subject to slight correction. Included in the figures for 1927 are 22,447 bales which ginner estimated would be turned out after the March canvass.

‡Including 44,000 acres of Arizona Egyptian (Pima) long staple cotton yielding 275 pounds of lint cotton per acre, a total of 25,000 bales (500 pounds gross weight).

§Not included in California figures, NOR in United States total.

¶Actual ginnings Lower California crop as enumerated by U. S. Department of Agriculture were 43,791 running bales, equivalent to 44,611 bales of 500 pounds gross.

Winthrop College Asks Construction Bids.

Rock Hills, S. C.—Bids will be received until June 8 by the building committee of Winthrop College, D. B. Johnson, chairman, for constructing an extension to the library building and installation of heat, addition to auditorium of the student activities building and for tile flooring and wainscoting in the kitchen. Drawings and specifications may be seen at the offices of Edwards & Sayward, architects, Atlanta; Builders' Exchange, Columbia, S. C.; Builders' Exchange, Atlanta; Builders' Exchange, Jacksonville, and Association of General Contractors of America, Charlotte, or may be obtained from the architects.

To Advertise Sugar.

It is reported in the Sugar Bulletin of New Orleans that the Sugar Institute is endeavoring to raise a fund of \$5,000,000 to be expended at the rate of \$1,000,000 a year for the next five years to carry on a campaign of advertising to increase the consumption of sugar in the United States.

The consumption of sugar in this country is already far and away ahead of that of any other country based on population, but doubtless this consumption can be still further increased by a campaign of advertising such as has been suggested, if carried out.

\$800,000 First Baptist Church at Miami.

The first Baptist Church of Miami, Fla., has recently completed a new building at a cost of approximately \$800,000, the structure being in Italian Renaissance and somewhat unusual, in that it contains a circular auditorium in a square building. The auditorium projects above the other portion of the building, receiving its light through clerestory windows. A corridor around it gives access to the Sunday school departments, which occupy outside spaces on the four stories. The structure has triple entrances, on two streets, with wide double stairs leading from a spacious lobby to the floor above. It is of steel frame construction with its exterior of texture stucco and art stone trim; the roof of red



THE NEW CHURCH BUILDING.

and brown hand-made tile, and all window sash of steel glazed with opalescent glass.

The ground floor contains a gymnasium which may be converted into an auditorium, large class rooms being arranged about the outside walls. This floor also has a kitchen, dining room and bath rooms. The main story, in addition to the auditorium and class rooms, contains offices, parlors, pastor's study and assembly room for the choir. A balcony surrounds the main auditorium on the second story and this floor also provides space for Sunday school rooms and living quarters for the caretakers, while the third floor is devoted to the Sunday school. All departments have separate, closed-in class rooms.

There are 158 rooms in the building, the main auditorium seating 2500 and the Sunday school accommodating about as many. A system of vent ducts and electrically operated blower supply fresh air to all rooms and auditoriums.

Dougherty & Gardner of Nashville, Tenn., are the architects and Fred T. Ley & Company, Inc., Miami, general contractors. Among the subcontracts were the following:

Ash flooring—Anderson Lumber Company, Jacksonville.
Blackboards—Gregory Tale Blackboard and Crayon Company, Nashville, Tenn.
Column mesh—Mitchell Tappen Company, New York.
Flashings—The Barrett Company, Birmingham, Ala.
Hyrib metal lath—Jacksonville branch of Truscon Steel Company, Youngstown, Ohio.
Millwork—Duval Planing Mill Company, Jacksonville.
Modeling—Louisville Composition Products Company, Louisville, Kentucky.
Ornamental iron—Decatur Iron and Steel Company, Albany, Ala.
Partitions—Southern Fireproofing Company, Atlanta.
Ribplex lath—Becker Manufacturing Company, Canton, Ohio.
Scagliola—Ignacio & Co., Inc., Havana, Cuba.
Steel sash—David Lupton's Sons Company, Atlanta.
Structural steel—Lukens Steel Company, New Orleans.
Tack boards—Armstrong Cork Company, New York.
Waterproofing—Western Waterproofing Company, St. Louis.

The City of Taylor, Texas, has voted a \$250,000 bond issue for a waterworks system.

Alpine Electric Power Multiplies Italy's Cotton Spindles and Export Trade.

In a survey received by the International Power Securities Corporation, of which J. E. Aldred is president, analyzing the growth of the Italian cotton industry, and furnished by Mr. Aldred's office to the MANUFACTURERS RECORD, we find the following interesting facts as presented by Pietro Soldini, director and general manager of "Cotonificio Cantoni," whose plants utilize 190,000 spindles and give employment to 7000 hands:

"The Italian cotton industry has grown with the development of the hydro-electric plants which supply the power for the mills. It is now equipped with 5,000,000 spindles, 850,000 twisting spindles, 150,000 power looms, 29 cotton printing factories with 160 printing machines, 272 dye-works, using for the most part Italian dyes. About half the output of gray cloth is bleached, dyed or printed.

"The goal toward which the industry has worked is to offset the whole cost of imported raw material by receipts for manufactured cotton exports, and in 1927 this was attained. In that year Italy spent 1,762,069,621 lire on raw cotton and received 1,817,712,049 lire for her cotton exports, leaving a small margin of profit of 55,652,428 lire. Thus the cotton industry, to which much of the credit for Italian industrial development is due, no longer weighs on the country's balance of international payments and can truly be said to have deserved well of the Nation.

"Among Italian industries which have come to the fore on the world's markets the cotton industry holds a foremost place. Its development for large scale modern production is recent. Prior to 1880 its equipment was primitive. Less than 800,000 spindles, 23,000 power looms, a few poorly equipped bleaching, dyeing and finishing plants for domestics, fustians, and linings, and a few hand printing machines were all it could point to. The home market was supplied mainly by imports; exports were practically nil. For the period 1875-9 Italy's average annual imports of cotton cloth were 11,177 metric tons, her exports 314 tons.

"The total output of the cotton mills was valued around 6,000,000,000 lire in 1925.

"With the growth and improvement of the plant the Italian industry set itself to work first of all to conquer the home market, most of whose requirements it now supplies as is shown by the fact that while the population has grown from 28,000,000 in 1885 to 40,000,000 in 1927, imports of cotton cloth have fallen from 11,469 metric tons in the former year to 1368 metric tons in the latter.

"But the capacity of the Italian cotton industry greatly exceeds the requirements of the home market and from 1895-99 the cotton manufacturers turned their attention to the export trade, raising during that period the annual average exports of yarn to 4477 and those of cloth to 8000 metric tons as compared to a bare 270 and 521 metric tons exported respectively in the five-year period 1885-89. In 1927, 21,000 metric tons of yarn and over 47,600 metric tons of cotton cloth were exported. In 1897 exports barely accounted for 10 per cent of the total output; in 1927 they accounted for 60 per cent. These results have been obtained by the untiring efforts of Italian cotton manufacturers to improve the organization, equipment and technique of the industry.

"The heavier production costs consequent on the abolition of night work for women and children, the introduction of the 8-hour day, the higher wages consequent on the improved standard of living of the mill hands, and the heavy charges placed on the industry by social insurance, have been offset by better machinery, improved handling of labor, more scientific organization of the export trade. The same line of conduct has been successfully followed in meeting the situation arising from the financial policy, wisely followed by the National Government, in revalorising the lira.

"The depreciation of the national currency, while injurious to the economic life of the nation as a whole, had favored exports, and the recovery of the lira from 25 to 19 to the dollar reacted immediately on the trade. Serious sacrifices were called for, but once again Italian cotton manufacturers rose to the occasion, and thanks to their unanimous effort the situation is improving. Evidence of this is afforded by the fact that unemployment in the textile trades has fallen from a maximum of 63,459 in June last to less than 30,000 by the end of 1927.

"The success of Italian cotton goods on foreign markets in face of the keenest competition is largely due to the skill shown in studying the tastes of each market and adapting the

product to the requirements of the customer; and no small part of the credit is due to the 280,000 workers employed in its different branches. Not only can the industry point to the quantity but also to the quality of its goods. The trend is toward ever higher counts and finer fabrics. The output of Italian cotton mills is extremely varied, including the most delicate dress fabrics and artistic brocades for hanging and upholstery. It can safely be said that for quality, color and design Italian cotton goods vie with those of any country."

Annual Report of Gulf, Mobile and Northern Railroad Company Indicates Sound and Improving Conditions.

The improvement shown in the earnings of the Gulf, Mobile & Northern Railroad Company since it was transferred from receivership to corporate management in 1920 received only a slight setback in the depressed conditions of 1927. Total mileage operated by the company was increased by 145 miles during the year. The report for 1927, which takes this increase into account in comparing the revenues and expenses for the years 1926 and 1927, shows that total operating revenues increased \$440,031 in 1927, while operating expenses increased \$566,977. The total net operating revenues for 1927 are given as \$1,530,769, or a decrease of \$39,652 from 1926. The net profit for 1926 was \$1,350,127, while in 1927 it was \$1,054,194, a decrease of \$295,933 in 1927.

In spite of a smaller net profit in 1927 than in 1926, the financial condition of the company was stronger at the end than at the beginning of the year. The credit balance, or as it is more commonly called, the surplus and undivided profits, as of December 31, 1926, was \$4,598,684; that for December 31, 1927, was \$4,842,583. This is an increase for the year of \$243,899.

The report states that:

"During the past several years the character of the traffic handled by your railroad has been rapidly changing. In the year 1917, 78.12 per cent of the traffic was originated, while in 1927 this had decreased to 54.92 per cent. The margin of profit on the newer competitive traffic is less than on originated traffic because of lower rates and rate divisions and the requirements of higher grade service.

"Since the return of the railroad to corporate control in 1920, it has been the policy of the company to stimulate in every way the movement of competitive traffic in order to lessen the dependence of the railroad on the originated traffic, consisting of forest products.

"Construction is progressing on the Alabama State harbor facilities at Mobile. Your company is in an advantageous position to serve these facilities through the completion of the Chickasaw Spur, this track also being well situated with respect to future industrial development."

During 1927, in addition to the regular dividend of 6 per cent on the preferred stock, there was paid 2½ per cent, and on November 18, 1927, a dividend declared of 2½ per cent, payable January 3, 1928, thereby reducing accumulated dividends on the preferred of 16½ per cent.

Revised Bids Asked on \$500,000 Baltimore Church.

Revised bids for the erection of a \$500,000 building for SS. Phillip and James Catholic Church, Baltimore, will be received May 30. Contractors estimating include the M. A. Long Company, Frainie Brothers & Haigley, Inc., R. N. McCulloh & Company, all of Baltimore, and the George A. Fuller Company, Washington. The building will be of limestone, steel and reinforced concrete, with marble floors, tile roof, vaulted interior and vacuum heating. It will contain an auditorium to seat more than 900. Theodore Wells Pietsch is the architect; Hermann Eisert, mechanical engineer, and Henry Massart, structural engineer, all of Baltimore.

A New York Business Man's Impressions Gained on a Motor Trip South.

Trenor Land Company, Inc.

New Rochelle, New York.

Editor Manufacturers Record:

We are just back from a marvelous motor trip through the South, on which we covered more than 6000 miles through 11 States. My thanks are indeed due you for the suggestion made when I had the pleasure of again seeing you at Daytona Beach, that we go to Silver Springs. One of the best days of the trip was spent driving from Daytona via De Land and Ocala to Silver Springs, thence to the Penney Farms and Green Cove Springs and over the new Shands bridge to St. Augustine and back to Daytona over the Ocean Boulevard. It was well worth the 200 miles of extra driving.

The progress in the South is a marvel, particularly in the matter of highways. Except in Georgia and Alabama—which are backward compared to the others but are rapidly catching up, and are now in the construction-detour period—we were from 80 to 90 per cent of the time on hard surface. Compared to a few years ago when we bumped all day over clay gullies in the dust or mud and built bridges of fence rails and logs to get over about a hundred miles of some of the same roads, the transformation was wonderful. As we rolled along from place to place over smooth dustless highways, it was not only a source of enjoyment to ride, but a pleasure to pay the gasoline tax as a contribution toward the cost of the improvements.

Florida was a surprise. I saw it during the boom when it was a mad house and everybody looked and acted crazy. I had been down since, but on hurried trips for special purposes, but this time I went leisurely all over it, and I am still lost in amazement at the improvements. Jacksonville was busy, with many changes in evidence, St. Augustine was placid but delightful, as always; Daytona and its beach greatly improved, and all the little towns down the east coast showed changes and much development, Fort Lauderdale particularly. Miami was still full of people all apparently busy and happy. There were few evidences of the hurricane, except here and there a small structure without a roof. Some of Miami's office buildings would do credit to New York, and although many are not justified, unquestionably the city will grow up to them and the population absorb them in a few years.

We drove more than 200 miles over the streets of Miami. From the reports, I had visualized it as being greatly overbuilt, but to my surprise, almost every house that was habitable, was occupied. Only here and there were the lone and stark structures built by a disordered imagination, unused and useless. Miami Beach with its new causeways and other improvements is astonishing and delightful. Almost anything within reason on a beach in the tropics, to which a considerable number of people can get, is justified. My conclusion is that in spite of much that was not and is not justified, Florida will, within two or three years, be much further ahead than it would have been without the boom. The roads, bridges, schoolhouses and other buildings and the public utilities, on which millions were spent, are still there, and necessarily after the deflation and reorganization period is over, will still be there in strong and capable hands and so most of them cannot but be of use and produce on the new standard of value. I agree with you that Florida is not only coming back, but is already on the way.

We went over the new "Tamiami Trail" from Miami to Tampa by special permit, the road not yet being open. It is a stupendous undertaking but my prediction is that it will be justified from its opening, by the number of cars which will circle the State as we did, instead of visiting only one coast as in the past.

From Fort Myers up there were many improvements and much development since I was last there. St. Petersburg appears to be less overdone than any of the resort cities. Tampa, of course, has an economic and industrial basis largely lacking elsewhere. The city appeared busy and prosperous. Like our cities generally, its productive capacity has been

overdone and its plants could undoubtedly handle more business, but it is almost an Arabian Night's dream to anyone who knew it 40 years ago. As I stood on the Lafayette Avenue bridge, carrying that street about 100 feet wide, across the Hillsborough, and surrounded by skyscrapers, my mind went back to the narrow shaky structure standing gaunt and ungainly on some wobbly piles, from which a country road lined with shacks meandered beyond the then new Tampa Bay Hotel, stark, bare and unbeautiful on a flat on which dredges in the river were pumping mud and sand to make what is now the beautiful tropical park, and it did not seem that the transformation could be possible within one's lifetime. However, it was all there and all true, but it made me rub my eyes and wonder.

Tallahassee was quaint and quiet as always, although there were here and there some new buildings. Pensacola seemed busy and showed evidences of progress in its pavements and buildings. Generally, there was an air of activity and confidence everywhere I went that promised much for the future. The net of my conclusions is that now is a good time for people who have money to invest to put in the South, and particularly in Florida where I believe there are opportunities equal to any in the country. Also, now is the time for those who have already put their money in Florida, if it was done on any sane and reasonable basis, to stand by and protect their holdings.

CHARLES F. WOOD.

\$5,000,000 State Building Projects in Mississippi.

Jackson, Miss.—A building commission, of which Governor Theodore G. Bilbo is chairman ex-officio, has been created by Act of the Legislature to handle the expenditure of more than \$5,000,000 for improvements at State institutions, provided for by bond issues. Expenditures will be made as follows: University of Mississippi, \$1,600,000; A. and M. College, \$540,000; Mississippi State College for Women, \$550,000; Alcorn A. and M. College for negroes, \$225,000, supplementing \$100,000 from the General Education Board; State Teachers' College, \$470,000; Delta State Teachers' College, \$365,000; Colony for Feeble Minded, \$500,000; Tuberculosis Sanatorium, \$330,000; Industrial and Training School, \$175,000; East Mississippi Insane Hospital, \$225,000; National Guard Camp, Biloxi, \$20,000; Deaf and Dumb Institute, \$20,000; charity hospitals at Laurel, Vicksburg and Natchez, \$25,000 each, and repairs for other institutions, \$10,000.

Unethical Conditions Claimed As to Award of City Contracts in Atlanta.

Announced determination by the Georgia Chapter, Associated General Contractors of America, hereafter "to decline to submit further bids on any work advertised by the city of Atlanta, Ga.," under present statutory conditions, recently moved the MANUFACTURERS RECORD to seek an unbiased statement of facts from a disinterested authority, and an explanation is given in reply by Park Rispalje, executive secretary of the Employers Association of Atlanta, Inc., The entanglement arose over the award of a contract approximating \$800,000 for the construction of a viaduct in Atlanta, and was somewhat complicated by the participation of Fulton county in the enterprise.

In effect, the Contractors Chapter avers that, after the bids had been opened and the competing figures had been disclosed, one of the bidders was permitted to revise its bid and was awarded the contract. In the original competition, this firm had bid \$816,931 on a deferred payment plan and \$772,812 on a cash payment basis, being the highest of four on the latter basis. The contract first was awarded to this firm at \$816,931, deferred payment, but this action was rescinded and, the contractors say, "it then submitted an informal and revised offer to execute this work for \$703,000," on the cash basis, or \$2373 less than the firm which had been low cash bidder when the bids were opened. The contractors then

determined, and published their determination, not to bid on city work until adoption of a law that "will better safeguard the public interest and will afford to any and all competing contractors the definite assurance that the low responsible bidder will be promptly awarded the contract under consideration."

As explained by Mr. Rispalje, alternate bids had been sought, one kind on a cash payment basis and the other on deferred payment, while Fulton county agreed to contribute \$500,000, payable through a period of three years. The lowest bid, Mr. Rispalje adds, was from a firm which bid on the cash plan only, its figure being about \$705,000. The lowest deferred payment bid was \$817,000. In view of this possible saving to the city, the Fulton county commissioners offered to pay \$250,000 down and the balance in very short time. Mr. Rispalje continues:

"A special meeting of council was called and the firm which had been awarded the contract on the deferred payment plan made a revised and informal proposal to undertake the work for a figure of \$703,000 on the cash plan, this although their original cash proposal had been \$772,000, they having bid under both plans. In other words, after the bids had become public knowledge, this firm was allowed to cut its price below that of the original low cash bidder and bring it down to \$69,812 below its original cash bid. The City Council formally awarded the contract to this firm of contractors."

The side of the City Council is thus presented by Mr. Rispalje:

"The point that the City Council uses to justify this action is that already it had awarded the contract to this firm and was bound to them for that reason."

In a letter to Mayor I. N. Ragsdale, the local Contractors Chapter called attention to the fact that "there is no limitation on the power of the Council to contract, in any sum of public money, with or without competition—there is no compulsion that the city even advertise for bids; it is not necessary for the Council, in binding itself to expend the money of the public, to take the public into its confidence." Such "limitless power" and "astounding prerogative" is regarded by the contractors as a "lamentable condition which must be quickly improved" and, until it is, they announce they will not bid on further public work in Atlanta.

Bids Asked on \$500,000 Baltimore Building.

Construction bids will be received May 29 by the Young Men's Hebrew Association, Baltimore, for erecting a \$500,000 building to be used jointly by that organization and the Young Women's Hebrew Association. The structure will be erected on the site of old McCoy Hall of Johns Hopkins University, having frontages on Monument and Eutaw streets and Druid Hill avenue. Joseph Evans Sperry, Baltimore, is the architect, and Frank E. Hahn, Philadelphia, consulting architect. The following contractors are estimating: Consolidated Engineering Company, Frainie Brothers & Haigley, Morrow Brothers, Benj. F. Bennett Building Company, Charles L. Stockhausen Company, Cogswell-Koether Company, Price Construction Company, L. L. Chambers, Inc., J. L. Robinson Construction Company, M. A. Long Company, all of Baltimore; George A. Fuller Company, Washington, and the Kober Construction Company, Philadelphia.

\$3,000,000 Terminal Facilities for St. Louis.

St. Louis, Mo.—Plans are being made by the Terminal Railroad Association for the enlargement and improvement of Union Station terminal facilities here at a cost of approximately \$3,000,000. Application has been filed with the Board of Public Service for authority to construct a new express building, two new passenger yards, baggage, mail and parcel post building and the extension of the Terminal Subway to the site of the proposed new express building.

Bounteous Rains Give Promise of Great Texas Crops.

Austin, Texas, May 21—[Special.]—Heavy rains, covering all the State with the exception of the Dallas territory and parts of Northeast Texas, have come at an opportune time from the standpoint of both agricultural and range benefits. Cotton, corn and wheat were suffering; in the South Plains and the more upper part of Northwest Texas, the planting of cotton and sorghum grains could not be done on account of the lack of moisture. Immediately following the recent 3 to 5-inch rain, the farmers started planting, and most of the seed is now in the ground. This insures a splendid start for all kinds of crops and adds materially to the prospects of winter wheat.

In the vegetable growing region, extending from Laredo on the Rio Grande to Brownsville, including all the Lower Rio Grande Valley, the rainfall was 2 to 3 inches and will prove of great benefit to the dry land crops as well as to those growing in irrigated districts. In South and Central Texas, where cotton was backward on account of the dry weather and cool nights, the rains promise to have an immediate effect upon the crop. This is true also of corn. Considerable complaint is made of lice, but with a few days of hot sunshine this pest will disappear, it is believed. Taking the state as a whole, the present condition of the cotton crop is regarded as favorable.

In Northwest Texas the planting is a month earlier than last year. It was not until June 12, 1927, that there was sufficient rainfall in the South Plains for the planting of cotton. Notwithstanding the lateness of the season there, a good crop was made.

Cattlemen and sheepmen are optimistic over the season's prospects. Cattle sales have brought great sums of money to ranchmen in West Texas during the last few weeks. The range is in fine condition, and the recent rains will bring a bountiful amount of grass for carrying the livestock through the summer.

Alpha Portland Buys Phoenix Cement Property at Birmingham—Annual Capacity Now 12,500,000 Barrels.

G. S. Brown, president of the Alpha Portland Cement Company, Birmingham, Ala., announces that his company has purchased the property of the Phoenix Portland Cement Corporation at Birmingham. This acquisition will increase the productive capacity of the Alpha company to 12,500,000 barrels yearly. The plant is modern, has ample reserves of raw material and is so designed that an increase in capacity of 50 per cent can be readily and economically made.

The Alpha Company formerly had a large business in the Southeastern and Gulf States, but in recent years has had no share in the cement business in that territory because it considered freight rates from its Northern plants "so high that it could not compete with the more favorably located Southern plants." This property will enable Alpha again to serve the South.

The Alpha Company now owns, in addition to its large operation at Martins Creek, Pa., plants near Catskill, N. Y.; near Syracuse, N. Y.; at Manheim, W. Va.; Ironton, Ohio; Bellevue, Mich.; La Salle, Ill., and near St. Louis.

Architects Selected for \$750,000 Hotel.

Fort Worth, Tex.—Mauran, Russell & Crowell of St. Louis, Mo., and E. G. Withers of this city, have been commissioned as architects for a \$750,000 hotel to be erected here by the C. A. O'Keefe Properties. It will be 15 stories, 100 by 100 feet, and will contain 300 rooms.

Letters From Our Readers

A North Carolina Farm Expert Thinks the Proposed Reclamation Colony Plan Has But Little Merit.

North Carolina State College of Agriculture and Engineering,
Raleigh,

State College Station, May 1.

Editor *Manufacturers Record*:

I do not believe the best farmers in North Carolina are in sympathy with the movement to reclaim and settle waste lands in the Southern States. You know, as well as I, that there is possibly too much land under cultivation at this time. We have many thousands of idle acres in North Carolina which need only a little clearing and the plow; but, the reclaiming of additional acres will only make competition harder for those men who are now farming in this State.

I understand this movement began because some folks in the South thought that too much money was being spent in the West on reclamation projects and the South was not getting its share.

In my opinion, the teachers of agriculture in the high schools, and the farm and home demonstration agents assisted by the specialists available here at the college, can do what is necessary in advocating improved agricultural practices and in leading farmers to better methods. Of course, in this they need the assistance of business men, agricultural journals, railway development services and others interested. You will find throughout the whole of North Carolina at this time that our county agents are supported by groups of successful farmers from each township in a county, allied together in a County Board of Agriculture. This board meets, surveys the agricultural situation in a county and adopts plans and programs of work for the farmers to follow during the coming year. The county agent is largely governed by this program and brings to the county from the college such assistance as he needs in putting the program into effect.

In this way, farmers are working out their own salvation, and while, of course, they are in a profession or business which is hazardous and of low income, still they are making progress. One cannot travel over our State without seeing evidence of this. We see it in consolidated schools, better homes, better barns, more convenient farming implements, in pure-bred livestock, cover crops in winter, and other things of this kind. If it were so possible for the farmer to get a fair price for the things he produces, or if he could anticipate market demands and produce according to these demands, I am confident we would not have such a great farm problem anywhere in the South.

It is my humble opinion that the movement to reclaim and settle waste lands throughout this area has very little merit and I do not believe it offers the solution for successful farming. It may do this—it may teach the principles of community development and community action, which might be worth the \$10,000,000 which the advocates of this bill want appropriated.

In talking with Dr. Clarence Poe, editor of the *Progressive Farmer*, the other day about this same matter, he told me he had had many letters from people in the vicinity of Charleston, S. C., asking him to write to you and try to get you straight on the subject. In our conversation he expressed the conviction that community development is probably the best thing the passage of this bill could stimulate.

D. J. Lybrook, proprietor of the Lybrook-Reynolds Farm at Advance, Davie County, is one of the most successful farmers in this State. He has a modern plant and conducts his farm as a successful business enterprise. He is very much opposed to any such plan as contemplated in this bill.

At the last meeting of our State Farmers' Convention, held at the college during the latter part of July, 1927, a resolution was passed condemning the proposed plan of re-

claiming and settling waste lands. This, I think, shows the attitude of our leading farmers.

I have not had an opportunity of talking with President E. C. Brooks of this college, and do not know his opinion on this subject, but believe he would be guided largely by the thoughts of our most progressive farmers as expressed in this resolution last summer. I think Dean I. O. Schaub, head of our School of Agriculture here, would have the same opinion.

In this connection I enclose a clipping I took from W. O. Saunders' paper, published at Elizabeth City. This will show you the type of publicity which I presume advocates of this bill are sending out.

F. H. JETER, Agricultural Editor.

Reasons for Opposing the Proposed Federal Farm Reclamation Community Plan.

Tallahassee, Fla., May 11.

Editor *Manufacturers Record*:

I cannot refrain from congratulating you on the leading editorial in the issue of the *MANUFACTURERS RECORD* for May 10, and also on your fairness in including pro and con statements on page 71. I have suggested to various State officials not to commit themselves in favor of the general project of reclamation farms. My reasons were:

1. Mead and Weinstock failed in socializing land in California.

2. Speaking broadly, reclamation projects in the West have failed in a large measure. (a) because the American people do not yield to direct control, and (b) because the expansion of arid territory was too expensive by comparison with unused land in regions of general rainfall.

3. Because the plan emanates from the Interior Department with a small original appropriation of \$15,000 and has not received the general approval of the Agricultural Department in Washington, though very directly involved.

4. Because the entering wedge of \$15,000 would work out so as to result in a very large Federal expenditure.

5. Because there is no need of stimulating the expansion of farm areas in Florida, in view of the extensive emphasis already put on the enlargement of farm areas.

6. Because it is a surreptitious way of spreading Federal control into more lines by various seemingly patriotic endeavors, and

7. Because in principle it is un-American.

There was much ballyhoo all over Florida in this past year to further the scheme of the Interior Department, and I think in the last two years the original \$15,000 has been frittered away in propaganda and travel.

I hope your stand on the subject will get recognition in Washington. Every man who thinks must be alert against an increase in Federal control.

GROSVENOR DAWE.

Output of Masonry, Natural and Puzzolan Cements Increased in 1927.

Statistics of hydraulic cements, other than Portland cement, in 1927, which include masonry, natural and puzzolan cements, as compiled by the Bureau of Mines, show that the nation's production, 2,123,868 barrels, exceeded 1926 by about 1 per cent. Shipments of these cements from mills in 1927 increased over 6 per cent in quantity and over 2 per cent in gross value. Stocks at the mills decreased and were about 19 per cent lower at the end of 1927 than at the end of 1926.

These statistics represent the output of 11 plants, located as follows: One each in Alabama, Illinois, Indiana, Kansas, Kentucky, Ohio and Pennsylvania; two each in Minnesota and New York. The output has been expressed in terms of 376-pound barrels to correspond with the statistics of Portland cement.

MASONRY, NATURAL AND PUZZOLAN CEMENTS PRODUCED, SHIPPED AND IN STOCK IN THE UNITED STATES, 1926 AND 1927.

Year	Active plants	Production, Barrels	Shipments		Stock Dec. 31, Barrels
			Barrels	Value	
1926	11	2,104,891	2,031,851	\$2,820,110	181,928
1927	11	2,123,868	2,158,323	2,881,029	147,473

IRON, STEEL AND METAL MARKET

STEEL PRODUCTION HIGH.

No Change in Prices—Tin Plate in Big Demand.

Pittsburgh, May 21—[Special.]—Steel mill operations are well maintained, having increased further in the fore part of April and having slipped only a trifle in the past three weeks. Production of steel ingots at the present time is at about 85 per cent of capacity, or at above the rate in January or in May of last year, while it is far above the average rate in the second half of last year.

The very good showing the steel industry has made in the year to date is, however, no sure criterion for the future, since the market has been growing somewhat sluggish of late, and particularly in the past week. There is no large buying in any quarter and the regular consumers are confining their engagements to small lot hand to mouth purchases.

Steel producers admit that their backlogs are practically exhausted, except in rails and tin plate, and that they must seek shipping orders from day to day in order to schedule the mills. They assert however that when they seek business they generally find it.

Finished steel prices show no quotable change in the week, but in sheets and strips the recent maximum prices in the quotation ranges have disappeared, minimum prices not being affected particularly. In bars, shapes and plates the 1.85c, Pittsburgh, price seems to be holding absolutely, but with diminishing shipping orders it is perhaps in not altogether secure position.

Tin plate demand has been running heavy. Last year's decline in production from the record tonnage of 1926 was 6 per cent and the short packs of fruits and vegetables were sufficient to account for this and more too, indicating an increase in general line consumption, and a similar increase is to be expected for this year, while the packs should be normal. Prospects therefore are that a new high record in tin plate production will be made this year, passing 1926 by a small and 1927 by a large margin.

Only 13,800 tons of fabricated structural steel was represented in the lettings reported last week, making the fourth week of lettings running rather low. Only a moderate amount of business is being figured on. Lettings ran exceptionally heavy early in the year but the half year as a whole may possibly not do as well as other years.

Automobile production is holding up quite well, showing less than the usual seasonal decrease. A decided drop is now expected about the middle of June, which would be later than usual. Ford production continues to increase.

At the recent natural gas convention there was opportunity for exchange of information, resulting in the opinion that none of the four large natural gas pipe lines talked of for many months past will be placed this year, involving lines respectively to Omaha, Memphis, St. Louis and Kansas City. Each had much to recommend it in a way but financing is quite an undertaking. Last year the pipe mills would have had a decidedly poor year had it not been for line pipe and this year they are not helped in that quarter. Demand for oil and gas well material is expected to be relatively light for several years.

The agricultural implement industry continues operating at a high rate. It always slows down for the summer but it is expected to slow down this summer less than usual, chiefly on account of tractor business being very heavy, with an accumulation of orders.

The Pittsburgh coal district seems at last to have really secured a 45-cent differential under Southern West Virginia, against the 25-cent differential that prevailed for years up to

last August, in freight rates on lake coal. The district will ship considerably more lake coal in the coming season than last year, but not a great deal more as it would not be feasible in present conditions to step up production beyond a moderate proportion, say under 100 per cent, of the present rate, which is about 275,000 tons a week.

PIG IRON SHIPMENTS ACTIVE.

Firmness in Cast Iron Pressure Pipe, With Quotations Higher.

Birmingham, Ala., May 21—[Special.]—Indication of activity among the foundries is noted in the shipments of pig iron against contracts to a total ahead of production. The price of \$16 base for second quarter is firm and one of the larger producers of foundry iron states that most melters have contracted for their needs to July 1. There is, however, small-lot buying noticeable and the reduction of surplus stock will continue through the quarter. Production is being maintained. Woodward Iron Company's three furnaces are steadily turning out foundry iron, while the Sloss-Sheffield Steel & Iron Company has three in blast, the Central Foundry one, Republic Iron & Steel Company two, and the Tennessee Coal, Iron & Railroad Company one. Five furnaces are on basic and two on special brand iron.

Cast iron pressure pipe is somewhat firmer, lettings recently received building up somewhat the unfilled tonnage books. Quotation base is much stronger, \$31 to \$33 now being stated as the base for six-inch and over sizes. Shipments of pressure pipe are also active and surplus stock is disappearing slowly. The soil pipe market is unchanged though there are some shops which are melting iron steadily and shipping up to the make. Foundries and machine shops are also going steadily with reports now and then of new business received.

Prompt denial was given recently upon report that Southern furnace interests had made concession on the \$16 base. It was learned that a car of iron was offered in the middle west at a concession of 50 cents on the ton and this was the basis of the report. Steel plate is being placed on the No. 1 city furnace of the Sloss-Sheffield Steel & Iron Co., now being rebuilt and within a couple of months the outside of the furnace will have been placed, with the interior work well under way. As with No. 2 furnace, the capacity will be materially increased and the cost of production considerably reduced. The Gulf States Steel Company's blast furnace at Gadsden will be dismantled and rebuilt this summer.

Small-lot orders for steel are reported. Tank makers have been producing on a lively scale, much plate being used. Small shapes of steel are meeting with fairly good demand and fabricators of steel are filling local orders right along. Ingalls Iron Works Co., Southern Steel Co., Virginia Iron & Steel Co., Reeves Bros. Co. and others are operating on fairly good schedules but the business is in small tonnages.

George W. Connors, executive of the Connors Steel Company, in speaking of the cotton tie demand, which should be fairly good this year, states that foreign competition is already pronounced and that some of the Southern States are inclined to offer encouragement to the European-made product. The Connors mill is working day and night in its cotton-tie department and will be ready to ship before the season starts. The Tennessee Coal, Iron & Railroad Company is also rolling cotton ties. The Connors mills produce hoops and bands, reinforced concrete bars, etc.

Coal mining is easing off some, production being around 350,000 tons weekly. Developments, however, are being pushed. Several coal washers will be completed during the

year. Big improvements are being put in by the Sloss-Sheffield Steel & Iron Company and the Tennessee Coal, Iron & Railroad Company. Other coal companies are making costly betterments. The coke market is steady, by-product works going to near capacity. Alabama foundry coke is still being shipped into several centers in the middle-west with success. Foundry coke is holding the base of \$5.

Scrap iron and steel shows no change, demand for heavy melting steel, No. 1 cast and stove plate being fairly good, with the quotation base the same as for several months. Heavy melting steel is at a minimum of \$10.75, although sales have been made at \$11 and over.

Pig iron and iron and steel scrap quotations follow:

PIG-IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$16.00; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$16.50; iron of 2.75 to 3.25 per cent silicon, \$17.00; iron of 3.25 to 3.75 per cent silicon, \$17.50; charcoal iron, f. o. b. furnace, \$29.00.

OLD MATERIAL.

Old steel axles	\$16.00 to \$17.00
Old iron axles	16.00 to 17.00
Old steel rails	11.50 to 12.00
Heavy melting steel	10.75 to 11.00
No. 1 cast	14.00 to 14.50
Stove plate	13.00 to 14.00
No. 1 railroad wrought	11.50 to 12.00
Old car wheels	14.50 to 15.00
Old tramcar wheels	14.50 to 15.50
Machine-shop turnings	8.00 to 9.00
Cast-iron borings	8.00 to 9.00
Cast-iron borings (chem.)	13.00 to 13.50

COPPER AND OTHER METALS ADVANCE.

Zinc, Tin and Silver Higher—Lead Shows Some Weakness.

New York, May 21—[Special.]—The situation in the metal industry has received considerable attention in the business world in general the past week. Copper companies in particular saw their shares rising on the New York Stock Exchange along with the shares of the aeroplane companies, automobile makers and other stellar performers. In fact it has been pointed out that the average of 20 representative copper companies on the stock exchange is the highest since July 20, 1919.

Usually it is said that the rise of the copper shares comes along as the tail of a bull movement, the rise usually being irrespective of conditions within the copper industry. This time, however, the advance has been due to the great improvement in the copper situation.

Several of the major metals made price advances during the week. Copper was advanced $\frac{1}{8}$ c to $\frac{1}{4}$ c per pound to a new high since the early fall of 1926. Zinc was \$2 per ton higher at one time than during the previous week. Tin went to a new high on the movement when it sold at 52 $\frac{1}{2}$ c per pound. Silver touched 60c per ounce at least twice during the week, this being the highest quotation in two years.

Lead on the other hand was rather weak early in the period but strengthened towards the middle of the week. Official prices were unchanged throughout at 6.10c per pound, New York, and 6c, East St. Louis. Antimony reacted somewhat following the rapid rise of the preceding week, selling at the close at 11c per pound. Quicksilver and platinum are both unchanged.

Statistics pertaining to April have been favorable for the most part. Surplus stocks of copper were reduced 21,000 tons during the month to the lowest level since the war. Exports were nearly 65,000 tons, a very striking total. Both production and surplus stocks of lead were reduced during the month, which accounts for the better feeling in lead the latter part of the week. World stocks of zinc are estimated at 60,000 tons, which is no material change in the situation. Shipments of tin from the Straits Settlements during the first half of this month to the United States were 3395 tons, which is slightly larger than normal. Purchasing of copper was the most active since the last week in March. The price was advanced to 14 $\frac{1}{2}$ c delivered in the home market, and 14 $\frac{1}{8}$ c

c. i. f. European ports, early in the week and by Wednesday one or two producers were getting 14 $\frac{1}{2}$ c, delivered. Consumers have been forced to buy for only one month of delivery, July. In other words, the principal producers are not able to guarantee deliveries before that time nor do they care to sell further in advance at present prices, especially since 15c copper is being talked of as a likelihood within the next few weeks.

Some exceptionally large tonnages were sold per order during the week, one order for home shipment involving 6,000,000 pounds, whereas 3,000,000 pounds is ordinarily considered very large. The American Brass Co. and other makers of the same products advanced prices $\frac{1}{4}$ c per pound and all descriptions of copper and brass scrap went up $\frac{1}{8}$ c or $\frac{1}{4}$ c per pound. Exports sales ranged daily from 7,000,000 to 11,000,000 pounds. Germany was as usual the best customer but France was a close second. Other good tonnages were sold to England, Russia, Italy and the Far East.

This has been the first rise in the copper price since early April. Perhaps the most important feature is that the copper trade nowadays has confidence in a rise since recent experience has taught that it is likely to hold. For this reason an advance of $\frac{1}{8}$ c per pound today is more desired by producers than was a rise of $\frac{1}{2}$ c in former days. Meanwhile large projects are coming to a head; these will require large tonnages of copper. Several railroads are to electrify lines. Water power is being developed extensively and many projects whereby nature's resources are to be harnessed are in a forward stage. Europe not only needs increasing quantities of copper but is better able to pay for it than at any previous time since the war.

Although zinc has sold at a price \$14 per ton higher than the low point of the year, the market has not been well supported by actual business. Much skepticism must be overcome by producers before buying becomes truly active. For instance well-posted authorities do not believe that the international zinc cartel will be successful, because of the many diverse interests among members. American consumers have seen so many false starts in the market the past year and a half that they are skeptical of the present higher prices. They are purchasing only prompt zinc, therefore showing little confidence in the future. However zinc consumption in this country is unusually large, what with the steel makers making new production records and the brass industry working at near full tilt.

While the official lead price has been 6c, East St. Louis, some resale material went at 5.97 $\frac{1}{2}$ c early in the week. Tin business still drags. Sales in this country are 150 tons daily, whereas 200 to 250 tons is considered normal. Most of the deals are among traders. Consumption in tin plate making is very large, the works going at 95 to 100 per cent of capacity.

Daily Average Movement of Freight Cars for March.

The average daily movement per freight car on the railroads of this country in March was 31 miles, according to the Bureau of Railway Economics. This was the highest average for any March on record and an increase of one-tenth of a mile above the same month in 1927 as well as an increase of 1.8 miles above that for March 1926.

The average load per car in March was 26.1 tons, including less than carload lot freight as well as carload freight. This was a decrease of 1.3 tons under the same month last year and three-tenths of a ton below March, 1926.

The City of Knoxville, Tenn., has sold an issue of \$1,500,000 revenue refunding bonds to the Guardian Trust Company, Detroit, Mich., on a basis of 4 per cent and premium of \$51.

GOOD ROADS AND STREETS

Poorly Maintained Streets Put Increased Traffic Burden on Smooth Thoroughfares.

By E. E. DUFFY.

Neglected side-streets and back-streets, rough, uneven and broken pavements—shunned by all jar-fearing motorists who prefer traffic jams to bumps—throw an unwarranted burden on main thoroughfares.

Every city has its backyard, but because old, run-down buildings front a street, it does not follow that the pavement should not be maintained for the traffic that must pass through. Streets with scarcely any traffic may be found a couple of blocks or so from the crowded downtown main thoroughfares of practically every city. This is so either because these streets are not through streets, blocked by blind endings or bottle-necks, or are poorly paved.

Many cities are widening existing pavements by two methods; first, by cutting back sidewalks, thus reducing the pedestrian area; second, by widening the entire street through cutting off buildings and setting back the building line. But in many instances, this is impossible, or at least impracticable because of the great expense. Consequently, one of the first steps is to make all streets equally desirable for motor travel through placing smooth pavements.

Recommendations were made recently in Chicago against the tying-in of entering county roads directly with streets carrying street-car lines. At present, most of the county roads entering Chicago are forced to follow street-car tracks into the heart of the city, routes which make automobile travel scarcely any faster than street-car travel. A double line of street-cars occupies practically the same space as two or three lanes of automobiles. Routes parallel to but separate from the street-car line roads should be constructed. In entering metropolitan areas, particularly the larger ones, the experienced motorist expects a loss of one or two hours proceeding through the few miles of suburban districts. This is a real economic waste, which, in a few years, amounts to the price of a new parallel route.

\$320,000 Railway Bridge Let to Contract.

Cherry Hill, Va.—The Richmond, Fredericksburg and Potomac Railroad Company, E. M. Hastings, chief engineer, Richmond, has awarded contract to the James S. McCormick Company, Easton, Pa., for piers and abutments for an 18-span bridge here with a total length of 1100 feet. Contract for structural steel and deck plate girders was awarded to the Baltimore branch of the American Bridge Company, New York. The bridge will consist of double track deck plate girders with solid ballasted deck, supported by reinforced concrete piers with timber pile foundations. The following approximate quantities of materials will be used: Reinforced concrete, 8000 cubic yards; foundation excavation, 3600 cubic yards; reinforcing steel, 500,000 pounds; structural steel, 1400 tons, and untreated wood piling, 118,000 lineal feet. J. E. Greiner & Company, Baltimore, are engineers. The bridge will cost \$320,000.

Road Plan for Development of Middle Florida.

Cedar Keys, Fla.—The Cedar Keys Chamber of Commerce is sponsoring a plan for the development of Middle Florida, which involves the construction of a boulevard from the ocean to the gulf, connecting the cities of Cedar Keys, Ocala and Daytona Beach. Last September it accepted a program, as embodied in a report of a committee appointed to investigate the feasibility and benefits of such a boulevard, which avers the foundation of this project may be laid without the

expenditure at this time of any additional funds other than those provided for in the State's and County's road building program.

Tentative plans for the proposed boulevard call for two one-way drives separated by a parkway which would serve as a shield to break the glare of cars driving in opposite directions. The center of each drive would be marked to designate the inner side as a fast drive and the outer side as a slow one, and on the outer side of each there would be a 25-foot space for parking. The committee recommending the construction of the boulevard is composed of W. R. Hodges, chairman; D. A. Andrews, G. R. Andrews, William M. Fowler, H. B. Rogers, John McNulty, George T. Lewis, J. W. Turner and C. C. Whiddon, all of Cedar Keys.

Three Important Virginia Bridges to Be Dedicated Same Day.

Hopewell, Va., May 19—[Special.]—Arrangements have just been completed here for the dedication on July 28 of bridges costing \$1,650,000, beginning with the \$100,000 structure at Hopewell in the morning, the \$525,000 Nansemond River Bridge near Drivers, and the \$1,125,000 structure connecting Norfolk and Portsmouth. The bridges will be dedicated by Governor Harry Flood Byrd and a distinguished party.

Dedication of the Hopewell bridge, offered as a gift to the State of Virginia by the City of Hopewell, has been set for 10 o'clock in the morning.

At 1 o'clock the Nansemond River Bridge will be dedicated and after the ceremonies are over the visitors will participate in the third dedication.

The total distance from Richmond to Norfolk by this route, which will include two toll bridges, according to the Virginia State Chamber of Commerce, will be 92 miles. The Nansemond River Bridge project was completed by the Portsmouth-Nansemond Bridge Corporation; the bridge connecting South Norfolk and Portsmouth has been constructed by the Norfolk-Portsmouth Bridge Corporation, both private enterprises. Each of these bridges averages in length 2300 feet and is of steel and concrete construction.

Alabama Asks Bids on 100 Miles of Roads.

Montgomery, Ala.—Bids will be received May 31 by the State Highway Commission on 9 road projects embracing more than 100 miles. Three projects will cover a total of 23.5 miles, on which alternate bids will be received on cement concrete, bituminous concrete, sheet asphalt and rock asphalt; three, a total of 63.98 miles of concrete; two, a total of 19.08 miles of gravel and one calling for chert from Huffman to Trussville in Jefferson County.

To Add Roads to Virginia State System.

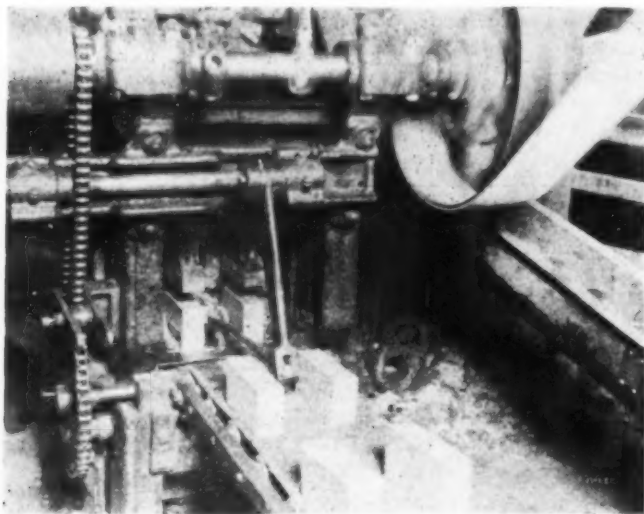
Richmond, Va.—Beginning about July 1, the State Highway Commission will hold a series of hearings in the eight highway districts of the State to determine the roads to be added to the State system, in accordance with a recent provision of the Legislature which calls for the addition of 1500 miles. Many of the roads to be added have already been hard-surfaced.

Road District No. 2, Shackelford County, Texas, has voted a \$300,000 bond issue to complete the main highways in the county and repair lateral roads.

NEW AND IMPROVED EQUIPMENT

Improvement in Fire Clay Brick.

Uniformity in size of fire clay refractories is of importance in determining their life in actual furnace installations and this point has been recognized by a number of furnace builders and operators in recent years. Fire clay brick heretofore have been made by pressing on the 4½-inch by 9-inch face, and due to the fact that these dimensions were fixed by the size of the steel molds, variations in the volume of clay placed



MACHINE FOR EDGE PRESSING THE FIRE BRICK.

in the mold were always reflected in the thickness and it is said that it was practically impossible by ordinary processes of manufacture to maintain the clay blanks constant in volume before placing them in the molds for pressing.

At the Taylor, Ky., plant of the Charles Taylor Sons Company, experiments were conducted to determine the feasibility of pressing on edge and this was found to be so satisfactory from the standpoint of quality of the resulting product that it has been definitely adopted and used in the manufacture of several million fire brick during the past year.

When pressed on edge, the thickness dimension is necessarily held constant by the rigid steel mold, the only variation being in the width. By carefully controlling all the manufacturing processes, however, it was found possible to reduce even the width variation to a minimum. This method of pressing requires that the brand be placed on the 2½-inch by 9-inch face.

A large number of brick were measured and the company found that 78 per cent had a variation in thickness of not more than 1/64 inch from the average, while 100 per cent were within 1/32 inch. It is stated that this is from one-third to one-fourth of the variations normally found on brick made by other processes. It also has been found that when the brick are pressed on edge, any laminations present are healed, and when pressed flat the laminations are still in evidence.

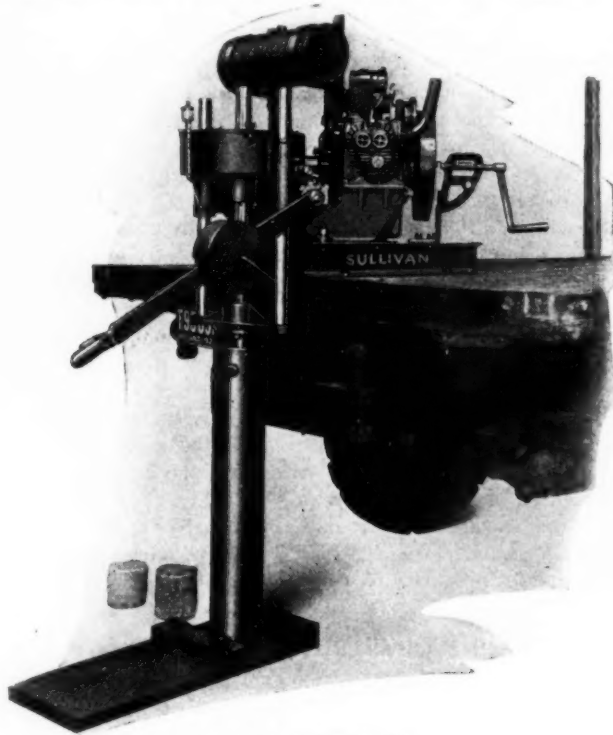
Ten-Yard Biehl Wagon.

The 10-yard wagon of the Biehl Iron Works, Reading, Pa., is made of ¼-inch steel plate, with the exception of the doors, which are 5/16-inch, heavily reinforced with Z bars, angle iron and channel iron, with an extra heavy under-frame. On these large units, disc wheels are furnished; roller bearings used on the wagon as well as the wheels are Hyatt type and Timken. The winding mechanism is operated through reduction gears by a hand lever. All ratchets are counterbalanced and no springs are used in this construction.

The locking ratchet is operated on the main shaft and load is not carried on reduction gearing while doors are closed. The wagon can be turned in its own length, which is approximately 18 feet. The length overall is 24 feet 8 inches, the width overall is 9 feet 4¼ inches and the height overall 6 feet 5 inches; the depth of the body is 3 feet 9 inches.

Pavement Core Drill.

The Sullivan Pavement Testing Core Drill is described by the Sullivan Machinery Company, Chicago, as a compact, rapid, dependable machine for removing cores of concrete pavement to permit inspection of its structure, materials and thickness. The new drill is operated by a gasoline engine, weighs 772 pounds, and may be mounted on a motortruck. It drills a 6½-inch hole and can take 20 to 30 samples in an



DRILL IN POSITION.

eight-hour day. The machine will drill to a depth of 18 inches.

The drill consists of a drive rod rotated through bronze work gears by a direct-connected gasoline engine, and at the lower end of the drive rod is a spider to which the core barrel, six inches in diameter, is bolted. Speed is controlled by a hand lever.

Building a Texas Railroad Into a Great Wheat Territory.

Amarillo, Texas, May 21—[Special.]—Contractors are rushing construction on the extension of the Chicago, Rock Island & Pacific from Stinnett to Gruver, the center of Hansford county, 35 miles. Approximately 1000 men are engaged. When the Amarillo-Liberal line is completed by or before next year's wheat crop, as anticipated, the road will be in position to handle a big part of the 25,000,000 bushels of wheat annually produced in the Panhandle. The wheat crop of Texas county, Oklahoma, to be traversed by the Amarillo-Liberal line this year is estimated somewhere around 8,000,000 bushels.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.
The date at the end of an item indicates issue of the Manufacturers Record in which earlier facts about the same enterprise were published.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$30.00 a year.

Airports, Airplane Plants, Etc.

Ark., Fayetteville—City plans calling election on bonds for municipal airport.

Ky., Ashland—Otto C. Gartin, R. A. Elam and others interested in establishing airport.

Md., Baltimore—L. A. Listug and Geo. A. Townsend, both 10 La Salle St., Chicago, interested in establishing airplane plant.

Miss., Laurel—Chamber of Commerce interested in establishing airport.

Okla., Duncan—Aircraft Sales Corp., capital \$25,000, incorporated; Bert Hall, Porter Roberts.

Tex., Beaumont—Sabine Airways, Inc., capital \$10,000, incorporated; Geo. W. Carroll, Jr., 2485 Broadway.

Tex., Fort Stockton—Lions Club interested in establishing airport.

Tex., San Antonio—Texas Airplane Corp., Route 1, Box 101, erect by day labor airplane shop, 25x100 ft., steel, corrugated iron.

Va., Richmond—Goodyear Zeppelin Co., Akron, Ohio, may establish \$3,000,000 flying field and plant; site must have minimum dimensions of 7000x4000 ft. with main runway, more than mile in length; company will build dirigibles of Zeppelin type.

Bridges, Culverts and Viaducts

Proposed Construction

Alabama—State Bridge Corp., Montgomery, plans 5 bridges across Tennessee, Tombigbee, Warrior, Alabama and Coosa Rivers.

Ark., Biggers—State Highway Dept., Little Rock, plans constructing and operating Current River Bridge at or near Biggers.

Fla., Cocoa—War Dept., Washington, approved plans of Canaveral-Cocoa Bridge and Terminal Co., for Indian River Bridge, 2 mi. north of Cocoa.

Fla., Jacksonville—City, M. W. Bishop, Sec., City Comm., State Highway Dept., Tallahassee, and railroads, will finance construction Beaver St. Viaduct, over main lines of several trunk railroads, entering Jacksonville; W. E. Sheddan, City Engr. 5-17

Fla., Miami Beach—City receives bids June 6 for Forty-first St. Bridge over Biscayne Waterway; E. R. Neff, Engr.

Ga., Valdosta—Lowndes County Comms., considering rebuilding creosoted timber bridge over Withlacoochee River, Horns Ferry.

Ky., Beattyville—War Dept., Washington, approved plans of Lee County for Kentucky River Bridge, Evelyn, under State law.

Ky., Lexington—Fayette County Road Dept., Chesapeake and Ohio R. R., C. W. Johns, Ch. Engr., Richmond, Va., plan \$10,000 bridge over Chesapeake and Ohio R. R. tracks, rear of Ashland Golf club grounds, and 60-ft. macad. boulevard, Richmond road through Kenwick and Liberty Heights, to Liberty pike; W. H. Edwards, County Road Engr.

La., Coushatta—Louisiana Highway Comm., Baton Rouge, receives bids July 31 to construct, operate and maintain highway traffic Red River Bridge, at or near Coushatta.

Maryland—State Roads Comm., Baltimore, receives bids May 29 for 5 bridges; Washington County—rebuild roadway on Potomac River Bridge, Hancock, Cont. W-54; Prince Georges County—single 34-ft. span, rein. conc. girder bridge, Marlboro to Camp Springs, Cont. P-80; Charles County—double span rein. conc. girder bridge, each span 24-ft. clear, over Mattawoman Run, excavation and surfacing, Cont. Ch-48; Talbot County—double span rein. conc. slab bridge, each span 18-ft. clear, Queen Anne to Cordova, over Norwich Creek, Cont. T-31; Cecil County—2 rein. conc. Rock Run bridges, Port Deposit to Liberty, Cont. Ce-69.

Md., Baltimore—Public Improvement Comn. approved appropriation of \$130,000, city's share, for eliminating grade crossing, Russell St. and Gwynns Falls; B. & O. R. R., A. H. Lane, Ch. Engr., expend \$120,000. 5-10

Miss., Biloxi—State Highway Comm., Jackson, plans receiving bids about middle of June for \$1,000,000 Biloxi-Ocean Springs Bridge.

Miss., Corinth—See Roads, Streets, Paving.
Missouri—State Highway Comm. receives bids for 13 bridges. See Roads, Streets, Paving.

Mo., Joplin—City and Frisco Lines, F. G. Jonah, Ch. Engr., St. Louis, plan \$100,000 viaduct over Frisco tracks, Pennsylvania Ave. See Financial News.

N. C., Manteo—Dare County granted franchise to Currutuck & Dare Bridge Co. to construct bridge across Currutuck Sound about ¼ mi. north of Point Harbor, connecting lower Currutuck mainland with beach country at Kitty Hawk; Currutuck County previously granted franchise.

Oklahoma—State Highway Comm. let contracts for various bridges. See Roads, Streets, Paving.

Okla., Oklahoma City—Oklahoma County, J. W. Berry, Blk., receives bids May 28 to improve and construct culverts on Highways Sec. 1 and 4; improve and repair culverts on County road E, between sections 26 and 27.

S. C., Columbia—Palmer Construction Co., Florence, low bidder to re-habilitate trestle over Wildcat Creek at entrance to Camp Jackson.

Tenn., Jefferson City—Dept. of Highways and Public Works, Nashville, plans bridge on State Highway 34 east of Jefferson City; replace present bridge.

Tenn., Kingston—Champion Bridge Co., Wilmington, Ohio, will build 600-ft. conc. bridge across Emory River near Harriman, Roane County; \$34,000. 5-17

Tenn., Kingston—Lewis H. Watkins, U. S. Engr., Harriman, will hold public hearing June 8 to consider application of Roane County Court for free bridge across Emory River near Suddath's Ferry; fixed 2-span, through truss, with trestle bent approaches; navigation span over center of stream, 19.5-ft. horizontal clearance, normal to current; 60-ft. vertical clearance above extreme low and 18-ft. above extreme high water.

Tenn., Knoxville—City Planning Committee, Charles M. Seymour, plans bridge across Tennessee River, from intersection of Henley St. and Hill Ave. See Financial News. 4-12

Tex.-Ark., Texarkana—St. Louis Southwestern Ry., W. S. Hanley, Ch. Engr., Tyler, Tex., will build 250-ft. steel span and substructures, at north end of Red River Bridge, Garland City; replace pile trestle approach.

Tex., Bay City—Matagorda County, E. N. Gustafson, Engr., and Missouri Pacific R. R., T. C. McCord, Div. Engr., plan Collegeport road crossing near Mopac Station.

Tex., Conroe—State Highway Comm., Austin, receives bids May 25 for 6 bridges, Highway 35, Montgomery County, Liberty to Harris County line; 157-ft. creosoted timber pile trestle bridge, Peach Creek; 1065-ft. across Caney Creek; 248-ft. across White Oak Creek.

Tex., Cuero—Southern Pacific Lines, R. W. Barnes, Ch. Engr., Houston, considering underpass on Highway 81.

Tex., Fort Worth—Tarrant County plans 14 bridges. See Roads, Streets, Paving.

Tex., Franklin—Robertson County, Joe Y. McNutt, Judge, plans \$25,000 highwater conc. Walnut Creek bridge, Highway 6, north of Calvert; C. B. Thames, Engr.

Tex., Houston—Harris County, H. L. Washburn, County Auditor, receives bids May 31 for 2 bridges in Drainage Dist. 2.

Tex., Port Arthur—H. L. McKee plans bridge across Lake Sabine, at or near Port Arthur.

Tex., Rusk—State Highway Comm., Austin, receives bids May 25 for 106-ft. bridge, Highway 43, Cherokee County, four 26-ft. conc. girders on conc. pile bents, 42,976 lb. rein. steel, 1380 lin. ft. precast conc. piling.

Va., Lynchburg—City, R. W. B. Hart, Mgr., receives bids May 25 for 2 conc. bridges over Blackwater Creek; replace one-way wooden spans.

West Virginia—State Road Comm. receives bids for 2 bridges. See Roads, Streets, Paving.

Contracts Awarded

Alabama—State Highway Comm., Montgomery, let contracts for 4 timber and conc. bridges: Between Montgomery and Davenport, Frost Construction Co., Box 1993, Tampa, Fla., \$26,306; Montgomery and Line Creek, Tuskegee Highway, Morgan-Hill Paving Co., 601 Woodward Bldg., Birmingham, \$57,673; Perry County—Marion and Bibb County line, Florida Bridge Construction Co., Orlando, Fla., \$18,169; Bibb County—Centerville to Perry County line, Ed Pettus, Montgomery, \$44,796.

Ark., Little Rock—Missouri & Pacific R. Co., E. A. Hadley, Ch. Engr., St. Louis, Mo., reported, let contract to American Bridge Co., 71 Broadway, New York, for 3500 tons struct. shapes for Arkansas River Bridge, Little Rock. 5-17

Fla., Pensacola—Northwest Florida Corp., R. G. Patterson, Res. Engr., Panama City, has contract for Perdido Bay Bridge, Innerarity, pending authority of Congress for spanning bay. 4-5

Fla., Stuart—Martin County Comms. let contract to Florida Bridge and Construction Co., Orlando, for \$125,000 steel draw St. Lucie River Bridge, Stuart to Palm City. 5-3

Fla., Stuart—Waldeck-Deal Co., Miami, has contract for hydraulic fill for steel structure with draw, across St. Lucie River, between Stuart and Palm City. 5-17

Ga., Lagrange—Troup County Comms., Henry Reeves, Clk., let contract to Geo. A. Thomason & Co., Macon, \$21,434, for 2 creosoted timber bridges, conc. floor, over Yellow Jacket and Long Cane Creeks, 486 and 306 lin. ft., respectively; 10x7x30-ft. double culvert; J. W. Lovell, Res. Engr. 4-19

Ky., Louisville—Louisville Bridge Co., Wm. Black, Chmn., let conditional contract to Vang Construction Co., Liberty Tr. Bldg., Cumberland, Md., \$648,400, for 8 main piers of 5500-ft. Ohio River steel bridge, Louisville to Jeffersonville, Ind. 5-3

Miss., Louisville—Winston County Comms., Separate Road Dist. 2, let contract to J. I. Ross, Louisville, \$15,867, for 10 pile timber bridges, Kosciusko road. 4-5

Tex., Freeport—Tellepsen Construction Co., 3900 Clay St., Houston, has contract, \$155,560, for Brazos River Diversion Channel Bridge. 4-19

Tex., Houston—City, W. A. Moore, Sec., let contract to Southwestern Construction Co., West Bldg., \$30,390, for rein. conc. Brays Bayou Bridge, at Forest Hill Drive.

Tex., Houston—City, C. A. Moore, Sec., let contract to Orange Car and Steel Co., Electric Bldg., to fabricate and furnish struct. steel for Franklin Ave. underpass, Navigation Blvd. 5-10

Va., Cherry Hill—Richmond, Fredericksburg and Potomac R. R. Co., Wm. M. Hastings, Ch. Engr., Richmond, let contracts for 1100-ft. 18-span bridge over Powell's Creek; double track deck plate girders, solid bal-

lasted deck, rein. conc. piers, timber pile foundations; To James S. McCormick Co., Easton, Pa., for piers and abutments; American Bridge Co., 71 Broadway, New York, for structural steel-deck plate girders; estimated cost \$320,000.

Canning and Packing Plants

La., Buras—Chalona Bros. erect packing plant; 2 story, 125x70 ft.; equipped with modern machinery; install light and power plant; \$30,000.

Md., Frederick—Middletown Canning Co. incorporated; George J. Ross, David C. Aldridge.

Tex., Brookeland—J. A. Jackson installing steam pressure canning plant, capacity 1000 cans daily.

Clayworking Plants

Ala., Sayreton—Birmingham Products Co., Woodward Bldg., Birmingham, acquired McMillan Clay Products Co., annual capacity 20,000,000 bricks.

Mo., Fayette—Fayette Brick and Tile Co., will probably increase capital, \$12,000 to \$60,000; plans increasing output.

Coal Mines and Coke Ovens

Ky., Madisonville—Sixth Vein Coal Co. increased capital, \$40,000 to \$60,000; will develop 500 acres; erect 4 track tippie and install screening plant. See Want Section—Machinery and Supplies.

Concrete and Cement Plants

Ark., Little Rock—Big Rock Stone & Material Co., Ashley St., Ben F. Dickinson, Sec., erect \$20,000 conc. mixing plant; steel, 42x23 ft., metal roof, steel and conc. floor; owners build.

N. C., New Bern—Carolina Cement Co., J. A. Acker, Pres., Port Huron, Mich., reported, has plans completed for erecting cement plant to consist of storage building, 580x180 ft.; power house, 160x160 ft.; power plant, 5000 k.v.a.; kiln building, 110x500 ft.; grinding building, 100x160 ft.; machine shop, 50x160 ft.; clay wash mill building, 50x60 ft.; 12 raw material storage silos, 25 ft. high and 20 ft. in diameter; packing house, 67x50 ft.; also cement silo storage plant containing 32 bins 16½ ft. in diameter, 80 ft. high; store-room, 50x80 ft.; main office, 50x50 ft.; initial capacity of 4200 bbl. of cement per day; Samuel E. Flexner, Consol. Engr. 1-5

Cotton Compresses and Gins

Ark., El Dorado—Jesse Wallace interested in erection four 80-saw stand gin.

Ark., Stamps—Peoples Gin, D. O. Talbot, will let contract in 2 weeks for 25x80 ft. cotton compress; conc. floors, metal roof, cost \$15,000; install complete gin equipment. See Want Section—Machinery and Supplies.

La., Lake Charles—R. R. Ramey will erect 50 bale capacity gin, South and Sallier Sts.; four stands automatic type, electrically driven; will enlarge gin at Sulphur; install electric power.

La., Winnaboro—Federal Compress Co., Cotton Exchange Bldg., Little Rock, Ark., reported, construct \$100,000 compress.

Miss., Hattiesburg—Hattiesburg Compress Co., Seventh St., increased capital to \$300,000.

Texas—El Paso Compress and Fumigating Co., El Paso, H. L. Birney, Pres., 503 E. Overland St., considering erecting cotton compress; location not decided.

Tex., Kenedy—Kenedy Electric Gin Co., capital \$25,000, incorporated; T. P. Jones, W. E. Ruckmann.

Tex., McLean—Hope-Lynch Gin Co., capital \$30,000, incorporated; G. H. Hope, J. E. Lynch.

Drainage, Dredging and Irrigation

Florida—Florida Inland Navigation Dist. Comms., Chas. F. Burgman, Chmn., Daytona Beach, call election June 26 for \$1,887,000 bonds for East Coast Canal. See Financial News. 5-17

Florida—Everglades Drainage Dist. Comms., Tallahassee, will begin construction work in Sept. on reclamation of 4,300,000 acres in Florida Everglades; \$10,000,000 bonds purchased by Dillon, Read & Co. and Eldredge & Co., both New York; plans provide construction of levee around south end of Lake Okeechobee to protect land from overflow; system of main drainage canals through part of district now opened for settlement or suitable for cultivation; for control works in those canals to release flood waters; for flood control of Lake Okeechobee for fur-

ther improvement of St. Lucie canal and probably Caloosahatchie river; bonds authorized in 1927 legislature; Gov. John W. Martin; Fred H. Davis, Attorney Gen.; John C. Luning, State Treas.; Ernest Amos, State Comptroller; Nathan Mayor, Commr. of Agriculture, members of Dist. Comn. 5-19-27

Tex., San Antonio—See Land Development.

Va., Richmond—Richmond Port Comn. will have public hearing before Lieut. Col. Henry C. Jewett, U. S. Dist. Engr., on project for deepening channel additional 2 ft. to Hope-Well and depth of 25 ft. from City Point to proposed deep-water terminal, 3¼ mi. below city lock gate; plans also include turning basin 700 to 1200 ft., with low-water depth 25 ft.; channel dredging from terminal to Richmond, minimum depth of 18 ft.; shorten length of river by more than 10 mi. by cutting canals to eliminate sharp turns; canals would be at Dutch Gap, Jones' Neck and Turkey Island; cost of entire project \$10,000,000. 3-1

Electric Light and Power

Electric light and power work in connection with many LAND DEVELOPMENT operations involves the expenditure of large sums of money. See that classification for details.

Ala., Rogersville—Alabama Power Co., Birmingham, reported, granted 30 yr. light and power franchise; serve Killen, Cross Roads and Center Star; completed surveying for transmission line.

Ark., Melbourne—Arkansas Power and Light Co., Little Rock, reported, has light franchise.

Fla., Miami Beach—City receives bids June 6 for white way. See Want Section—Bids Asked.

Fla., Pavo—City, reported, accepted bid of Georgia Power & Light Co., Waycross, for light and water plant.

Ga., Brunswick—Empire Construction Co. construct white way on Gloucester St., rebuild and extend system on Newcastle St.

Ga., Columbus—Crisp Power Comsn., J. J. Williams, Chmn., Cordele, receives bids July 10 for construction work on \$1,250,000 Flint River power dam; specifications by Emmett S. Killebrew, Ch. Engr., Albany, and J. E. Sirrine & Co., Consol. Engrs., Greenville, S. C. Among contractors estimating are: Contract No. 1—The Foundation Co., Seaboard and Southern Construction Co., Wallace Construction Co., all three 101 Marietta St.; U. G. I. Contracting Co., Healey Bldg., all Atlanta; A. Bentley & Sons Company and Sutton Brothers, both in Atlantic National Bank Bldg., Jacksonville, Fla.; S. J. Groves & Son, 32 E. Pine St., Orlando, Fla.; Hardaway Contr. Co., First Natl. Bank Bldg., Columbus; C. A. C. Const. Co., 116½ Orange St., Daytona Beach, Fla.; Tucker & Laxton, Independent Bldg.; Harrison-Wright Co., 4 W. Third St., both Charlotte, N. C.; W. H. Anderson, Medical Bldg., Asheville, N. C.; Atlantic Bridge Co., Jefferson Bldg., Greensboro, N. C.; Wm. J. Bishop, Ltd., New York; Winston & Co., Edgefields, S. C.; A. Guthrie & Co., St. Paul, Minn.; H. W. Nelson Co., Inc., American Natl. Bank Bldg., Richmond, Va.; R. E. Townsend Corp., Ann Arbor, Mich.; Bates & Rogers Const. Co., 37 W. Van Buren St., Chicago, Ill.; Jas. O. Heyworth, 606 S. Michigan Ave., Chicago; Seime, Helmers, Schaffner, St. Paul; Contract No. 2—Allis Chalmers Mfg. Co., Milwaukee; I. P. Morris, Inc., Richmond and Norris St., Philadelphia, Pa.; S. Morgan Smith Co., York, Pa.; Newport News Shipbuilding and Dry Dock Co., Newport News; Contract No. 3—Westinghouse Electric and Manufacturing Co., East Pittsburgh, Pa.; General Electric Co., Schenectady, N. Y. 5-17

Ga., Winder—Georgia Power Co., Atlanta, reported, acquired city electric plant.

La., Baton Rouge—Baton Rouge Electrical and Machine Works, 523 Third St., has contract for flood lighting system and other lights for swimming pool; Cyclone Fence Co., Waukegan, Ill., for fencing.

Maryland—Consolidated Gas, Electric Light and Power Co., Lexington Bldg., Baltimore, acquired control of Havre de Grace property of Northern Maryland Power Co. (subject to approval of Public Service Comsn., Baltimore), supplying Harford county, excepting Fifth election district contiguous to Conowingo power development. 1-26

Md., Baltimore—City, John J. Hanson, Supt. Lamps and Lighting, extend white way on Baltimore St., Fremont Ave. to Gilmer St.

Miss., Richton—Mississippi Power Co., Gulfport, planning to build 11 kv. line from Richton to serve Beaumont and McLain, Miss., distance of 20 miles; 44 kv. line from Hattiesburg to Richton, distance 25 miles; will install oil circuit breakers at primary substation at Hattiesburg and for step down at Richton plant; station will be 150 kv-a. capacity and lines will all be operated at 11 kv. at this time.

Mo., Joplin—Empire District Electric Co., 414 Joplin St., applied to Public Service Comsn., Jefferson City, for permission to construct hydro-electric plant on White River, at Able Rock. 5-19-27

Mo., Kansas City—Missouri Power and Light Co., 740 Bd. of Trade Bldg., applied to State Public Service Comsn., Jefferson City, for permission to issue \$1,500,000 of 4½% first mortgage 30-year bonds to be sold at 90½% of par value, also issue and sell 27,000 shares of non par issue preferred stock at \$92.60 per share and issue and sell at \$30 per share 17,000 shares of non-par value common stock; will add \$500,000 to common capital stock.

N. C., Huntersville—Southern Public Utilities Co., Charlotte, negotiating for light plant and street lighting system.

Tex., Beaumont—Gulf State Utilities Co. increased capital, 350,000 to 360,000 shares—60,000 shares preferred stock, 300,000 common stock.

Tex., Brownsville—City may construct \$25,000 sub-station 10th and Adams St.

Tex., Fort Worth—Eugene Ashe Electrical Co., 305 Jones St., has contract for completing lighting system on North Main St., beginning at Twelfth St.

Tex., Stamford—City, Warren B. Tayman, Mayor, plans improving power plant.

Va., Manassas—Virginia Public Service Corp., Charlottesville, reported, will complete unfinished dam at Bland's Ford on Occoquan Run, formerly owned by Stone-wall Power Co. 5-3

Flour, Feed and Meal Mills

Mo., Kansas City—Reynier Van Evera Co., 709 Victor Bldg., incorporated; Josephine R. Van Evera.

Foundry and Machine Plants

Fla., Pinellas Park—U. S. Hammer and Piston Ring Co., W. T. Baynard, Mgr., 611 First Ave., St. Petersburg, erect \$50,000 factory; cement floors, steel shak, rolling doors; Edgar Ferdon, Archt., 415 Sumner Bldg., St. Petersburg.

Ky., Louisville—Shuler Axle Co., Inc., Jones and N St., let contract to Austin Co., Cleveland, Ohio, for erecting shop; 50x160 ft., steel frame, cinder floor. 5-17

La., Shreveport—P. M. Neilson-Herborg, Skjern, Denmark, negotiating with Harry F. Porter, Chamber of Commerce Industrial Engr., for establishing assembling plant and possibly branch factory to manufacture farm machinery.

Tenn., Chattanooga—Walsh & Weldner Boiler Co., W. Main and Sycamore Sts., and Casey-Hedges Co., 26th and Chestnut Sts., will combine; reorganize under name of Hedges, Walsh & Weldner Co., with M. M. Hedges, Pres.; will continue production separately.

W. Va., Huntington—Electric Ranges, Stoves, etc.—Armstrong Mfg. Co., First and Seventh Ave., Huntington, and New Era Range Co. of Delaware, have merged into Armstrong Electric & Mfg. Corp., D. E. Spence, Pres., New York, holding Delaware charter.

Gas and Oil Enterprises

Ky., Cynthiana—Central Kentucky Natural Gas Co., Lexington, granted franchise. 3-22

La., New Orleans—Mack and Collins, Monroe, reported, low bidder for furnishing gas to city; construct line Richland to St. Joseph where it will cross the river. 5-10

N. C., Hickory—City, reported, receives bids July 20 for gas franchise.

N. C., Lexington—Atlantic Gas Co., Philadelphia, Pa., has gas franchise; Lexington Gas Co. subsidiary will erect plant; H. A. Graul, local representative. 4-12

Okla., Covington—Union Oil Co., capital \$20,000, incorporated; L. A. Kissling, Harry C. Classer, Enid.

S. C., Greenwood—City granted 50 yr. gas franchise to Alfred I. Phillips, 122 Greenwich St., New York and Washington; will build gas plant. 5-10

Texas—The Saxet Co., W. L. Pearson, Pres., Post-Dispatch Bldg., Houston, offering \$1,850,000 first mortgage collateral 6%

sinking fund gold bonds, Series A, through Peabody, Houghteling & Co., 10 S. LaSalle St., Chicago, Ill.; upon completion of this financing company will own all capital stock of Saxet Gas Co., Saxet Sand and Gravel Co. and Saxet Ice Cream Co.; Saxet Gas Co. has contract with city of Corpus Christi extending to 1950 calling for guaranteed minimum of 1,000,000 cu. ft. daily and Houston Gulf Gas Co. for 20,000,000 cu. ft. daily; Saxet Sand and Gravel Co. owns or controls at Victoria in excess of 500 acres land proven to contain 14,000,000 cu. yds. gravel; Saxet Ice Cream Co., operating in Houston has annual capacity 35,000 tons ice and 250,000 gals. ice cream; indenture will provide for sinking fund to be used for redemption of bonds or for acquisition of additional properties.

Texas—United Gas Co., organized with O. R. Seagraves, Pres., Houston, under laws of Delaware, as holding company for consolidation, operation and management of \$75,000,000 natural gas properties of Moody-Seagraves Interests, in Texas and Louisiana; authorized capital of company 100,000 no par preferred shares and 2,500,000 no par common stock; there will be outstanding 25,000 \$7 cumulative series A no par preferred shares and 1,000,000 no par shares of common including 25 shares of common to be held in treasury for issuance against warrants; formation of new company completes formation of gas combination, including Houston Gulf Gas Co., Houston Gas and Fuel Co., Dixie Gas and Utilities Co., Southern Gas Co., Southern Gas Utilities, Inc., Western Gas and Fuel Co., Dixie Gas and Fuel Co., Dixie Gulf Gas Co. and South Texas Gas Co., serving Houston, San Antonio, Austin, Beaumont and Laredo, etc.; properties comprise 2000 miles main trunk lines.

Tex., Amarillo—J. O. Whittington, Amarillo Bldg., Pres. of Canadian River Oil Co., and Col. George Montgomery and J. M. Walsh, representing New York capitalists, applied for gas franchise.

Tex., Dallas—Southwest Oil Production Co., capital \$100,000, incorporated; T. B. Cranfill, Magnolia Bldg.

Tex., Dallas—Isona Production Co., capital \$50,000, incorporated; M. N. Baker, 1211 Elm St.

Tex., Hawley—Humble Pipe Line Co., Houston, plans constructing 6-in. pipe line from here to Noodle Creek oil field, distance 26 mi.

Tex., Houston—Watts Oil Co., capital \$650,000, incorporated; E. E. Watts, Humble Bldg.

Tex., Houston—Pure Oil Co., Esperson Bldg., let contract to Orange Car and Steel Co., Orange, to build complete 3 refining stills, at Smith's Bluff. 4-26

Tex., Midland—Midland Refining Co., T. W. Sowell, Pres., 3519 Lindenwood St., Dallas, erect 2500 bbl. oil refinery.

Tex., Paducah—Paducah Gas Co., capital \$30,000, incorporated; J. H. Jackson, T. C. Davis.

Tex., Pecos—Burford Oil Co., capital \$25,000, subsidiary, will erect plant; H. A. 000, incorporated; Freeman W. Burford, 818 Delaware St., Shreveport, La. (subsidiary of Crystal Oil Refining Co.), let contract to Graver Corp., East Chicago, Ind., for erecting and installing equipment for 5000 bbl. plant; cost \$650,000.

Tex., Port Arthur—Texas Pipe Line Co., Texas Co. Bldg., Houston, reported, increase pipe line capacity south of Dallas to here by 10,000 bbls. daily, lay line from Electra to Gray county, connecting at Electra with 6 and 8-in. line to Dallas. 4-12

Tex., San Antonio—Texas Gas Utilities Co., 529 Gunter Bldg., J. G. Pundt, Pres., receiving bids for complete gas system, 13 mi. pipe line main and 18 mi. line in city, cost \$100,000; will build 190 mi. line when survey is finished; Earl Camp, Constr. Engr.

Tex., Troup—Dixie Gas and Fuel Co., Houston, construct gas line into Lindale.

Va., Norfolk—City Gas Co., let general contract to Stone & Webster, Inc., 49 Federal St., Boston, Mass., for 3,000,000 cu. ft., 4-lift, steel tank gas holder; The Bartlett Hayward Co., Baltimore, Md., for holder; Raymond Concrete Pile Co., Royster Bldg., Norfolk, for piling. 5-17

Ice and Cold-Storage Plants

Ark., Camden—Camden Ice and Coal Co. erect \$25,500 plant.

Fla., Pensacola—Florida Light and Power Co., Miami, erect 2 ice service stations, Gregory St. and Sixth Ave., and Jackson and E Sts.; 1-story, brick.

La., New Orleans—Buras Ice Co., Inc., capital \$25,000, chartered; Wm. J. Tierney, 2619 N. Robertson St.

Md., Baltimore—Alex. Brown & Sons, Baltimore and Calvert Sts., offering \$1,100,000 first mortgage 6% sinking fund gold bonds, Series A, of Merchants Terminal Corp.; which is consolidation of Baltimore Transfer Co., 328 N. Front St., and C. Hoffberger Co., 538 E. Monument St.; proceeds to be used for erecting 11-story cold-storage plant; M. A. Long & Co., Contr., 10 W. Chase St. 5-17

Miss., Meadville—Mississippi Utility Co., Jackson, let contract to F. H. Round for erecting ice plant.

Tenn., Chattanooga—Chattanooga Warehouse and Cold Storage Co., 1240 Market St., increased capital, \$50,000 to \$100,000.

Tenn., Dyersburg—Mississippi Valley Utilities Corp., W. I. Moody, Sec., Memphis, may purchase Dyersburg Ice and Coal Co.'s two plants.

Tenn., Knoxville—Atlantic Ice and Coal Co., A. P. Pope, Gen. Mgr., Atlanta, Ga., plans erecting electric ice plant, 1003-9 W. Cumberland St.; will have capacity of 100 tons of ice per day; 200,000 cu. ft. of cold storage space.

Tex., Brownsville—Valley Bonded Warehouse Co., Roy Sethman, plans erect \$250,000 cold storage plant; 2 stories, 100x240 ft., rein. conc., brick; J. A. Taylor, Engr., 2302 Indiana St., Houston.

Tex., Denton—City plans voting on \$35,000 bonds for erecting ice plant.

Tex., Flatonia—Southern Produce Co. let contract to William Ungerer for erecting cold storage plant; brick, conc.

Tex., Fort Worth—Pacific Ice Co., capital \$300,000, incorporated; R. K. Hanger, Burnett Bldg.

Tex., Houston—Saxet Co., J. M. George, Gen. Mgr., acquired Irvin Ice & Ice Cream Co., 2100 Center St.; will change name to Saxet Ice & Ice Cream Co.; remodel bldg.

Iron and Steel Plants

W. Va., Weirton—Weirton Steel Co., John C. Williams, V.-Pres., expending \$1,350,000 for additions and improvements to plant to consist of 250-ton open-heart furnace with producers, additions to pit furnaces, stipper building, with one additional row of soaking pits; addition to slab yard; remodel 10-in. and 16-in. mills; improvements will bring annual open-hearth ingot capacity to 1,200,000 gross tons.

Land Development

Ala., Birmingham—City Comsn. authorized purchase of 15 acres in western section East Lake for park development.

D. C., Washington—National Capital Park and Planning Comm. acquired for park development 6 acres between Broad Branch Rd. and Thirty-third St.

Fla., Deland—C. L. and H. T. Allen Co., capital \$50,000, incorporated; C. L. Allen, 643 W. Minn Ave.

Fla., Hollywood—M. S. Worland & Co., Inc., chartered; M. S. and M. A. Worland. Fla., Jacksonville—Lear Co., incorporated; Lila M. White, Pen Gas Bldg.

Fla., Lakeland—A. H. and V. P. Miller Co., incorporated; A. H. Miller, 1036 E. Cumberland St.

Fla., Palm Beach—Island Landscape Co., incorporated; E. T. Halter, M. D. Wilson.

Fla., St. Petersburg—Upham Interests, Inc., incorporated; N. J. Upham, Shore Acres.

Ga., Brunswick—MacDougald Construction Co., 545 Angier Springs Rd., Atlanta, has contract for clearing and paving on Glynn Isle, near city.

Ky., Lexington—Cheapside Park Comsn., let contract to W. T. Congleton & Co., Third and Walton Sts., for improving park; will lay conc. walks, drains, curbs, etc.; R. H. Tacke, Landscape Archt., 438 E. High St.

Ky., Louisville—Bd. of Park Comms. plan developing park between Cypress St. and Cane Hill Rd.

Ky., Martin—Martin Realty Co., capital \$25,000, incorporated; S. C. Bralley, H. M. Mitchell.

La., Alexandria—City, R. W. Bringham, Commr. Streets and Parks, constructing golf course adjoining City Park; build driveway around 10-acre tract, provide new location for zoo, artificial lake.

La., New Iberia—Iberia Golf and Country Club, incorporated; Edward L. Estorge, P. R. Burke.

Md., Baltimore—Milton Mann and Moreton, Inc., 213 E. Fayette St., chartered; Howard C. Bregel.

Md., Perryville—Braeside Farm, Inc., R. F. D. No. 1, Cecil County, chartered; Frances Nicoll Clarke, H. Maurice Darling.

Mo., Columbia—Frederick Realty Co., capital \$120,000, incorporated; F. W. Niedermeyer, Sabra N. Tull, both Kansas City.

Mo., Joplin—Hull & Potter, Inc., capital \$80,000, incorporated; J. S. Hull, Joplin Nat'l Bk. Bldg.

Mo., Kansas City—Lake Venetian Gardens Co., capital \$100,000, incorporated; Charles E. Houston, 909 E. 12th St.

Mo., St. Joseph—Club Enterprises, Inc., John F. Studley, Pres., Hotel Roddoux, develop 400-acre island in Sugar Lake for club development; provide facilities for boating, bathing, athletic field, polo field; 2 golf courses planned by James Faulis of Pioneer Golf and Landscape Co.

Mo., St. Louis—N. S. Wood, Inc., incorporated; Nathaniel S. Wood, 706 Chestnut St.

Mo., Thomasville—Eleven Point Ranch, Inc., capital \$50,000, incorporated; B. B. McCutcheon, Jr., Fort Davis, Tex.; C. B. Denman, Farmington.

North Carolina—E. S. Draper, Landscape Archt. and Engr., 1516 E. Fourth St., Charlotte, retained for following work for J. D. Lineberger, Shelby, estate near Cleveland Springs, including lake development; J. B. Jordan, E. Morehead St., Charlotte, brick walls, brick and flag stone walks, bitulithic drive, garden with pergola, etc., construction and planting by C. G. Mackintosh, Landscape Contr., 116 N. Main St., High Point; Frank Sherrill, Dilworth Rd., Charlotte, plan development of grounds; C. S. Thompson, 211 S St., Gastonia, develop residence grounds; Mrs. S. Westray Battle, Grove Park, Asheville, develop residence grounds, including grading, asphalt drives, flagstone walks, etc.; Cyril Smith, 404 E. Blvd., Charlotte, development of grounds.

N. C., High Point—Pointer Realty Co., capital \$100,000, incorporated; O. E. Mendenhall, 116 N. Main St.

Okla., Oklahoma City—G. A. Nichols, 115 N. Harvey St., interested in developing 2380 acres 63d St., Western Ave.; golf course, one large and several smaller lakes, country club, swimming pools, business district; install streets, etc.

S. C., Charleston—J. L. Kaptam Co. of Chicago, Washington and Birmingham (local office Francis Marion Hotel), acquired management of Isle of Palms; contemplate golf course, amusement park, etc.

Tenn., Knoxville—Greenway Home Builders, Inc., Journal Arcade, incorporated; A. E. Gibbs.

Tenn., Knoxville—Grant Realty Co., capital \$18,000, incorporated; J. P. Grant, Moss Yater.

Tex., Amarillo—Morse Townsite Co., Jack Burgess, Oliver-Eackle Bldg., and H. S. Durham, develop townsite in Hansford County.

Tex., Dallas—Lake View Estates incorporated; J. P. Burrus, Amer. Exch. Bk. Bldg.

Tex., Dallas—Davidson Realty Co., capital \$40,000, incorporated; A. H. Winston, Republic Bank Bldg.

Tex., El Paso—Harry L. Haussmann, 4200 Pershing Drive, developing Hussmann townsite; erecting tourist camp, garage, stores, postoffice building; artesian water, gas, etc.

Tex., El Paso—El Paso Nursery Co., Inc., 2131 Cypress St., W. B. Henry, Pres., developing nursery; repair 5 greenhouses, heating plant and other houses on place; later will be in market for various materials and supplies. 5-3

Tex., El Paso—Carbajal Realty Co., incorporated; A. H. Goldstein, 2001 N. Kansas St.

Tex., Fort Worth—Gateway Land Co., capital \$25,000, incorporated; V. H. Peck, N. P. Anderson Bldg.

Tex., Galveston—Galveston County Comms. expend \$15,000 improving recreation park on Clear Creek, near League City; erect pavilion, rest houses, build drives, etc.

Tex., Houston—Back Bay Realty Corp., capital \$35,000, incorporated; J. H. Rafferty, W. University Place.

Tex., San Antonio—San Antonio Suburban Irrigated Farms, J. E. Jarratt, Frost Nat'l Bank Bldg., Pres.; C. H. Kearny, San Antonio, and H. V. Wheeler, Wichita, Kans., interested; proceeding with colonization 40,000 acres in Medina Valley, (entire acreage subject to irrigation from Medina dam); holdings divided into 5 units; canal location survey under way in Units 3, 4 and 5, and as soon as this work is completed lands will be subdivided along landscaping lines; road system contemplates road every half-mile; certain area lying above gravity water service will be served with water by pumping from gravity canals, distributing water through conc. pipe systems; 2 or more townsite developments will be made on these holdings, with adjacent acres divided into farm tracts and villa sites; roads will be improved and water provided

for irrigation through pipes; Charles F. C. Ladd, Menger Hotel, colonizer and developer; P. A. Welty, Ch. Engr., Natalia; E. P. Arneson, Const. Engr., San Antonio. 10-13

Tex., Temple—City, G. E. Byars, Mgr., plans development park.

Tex., Texarkana—United Commercial Travelers constructing 9-hole golf course.

Va., Richmond—City contemplates developing park on each side Belt Line Ry. extending from Broad St. practically to James River.

W. Va., Morgantown—Euclid Realty Co., capital \$100,000, incorporated; W. T. Hughes, 150 Wagner Rd.

Lumber Enterprises

Ala., Birmingham—Blount County Lumber Co., capital \$15,000, incorporated; J. M. Stevenson, Comer Bldg.

Fla., Kelsey City—Warner H. Callan, Inc., capital \$10,000, chartered; O. R. and W. H. Callan.

Fla., Orlando—Johnson Lumber Co., 628 S. Hughey St. and Orange Belt Lumber Co., merged; will operate under name of Johnson Lumber Co.

Ky., Lebanon—Lee Goodin acquired Marion Lumber Co.'s lumber yard.

La., Monroe—Benolt Oak Flooring Co., 1200 Grammont St., Monroe, and Selby Lumber Co., Fondale, consolidated forming Kellogg Lumber Co., Inc., R. L. Kellogg, V.-Pres., 1401 S. Grand St.; new company taken over following properties: Band Mill, Alexandria, La.; Band Mill and Resaw, Fondale, La.; Band Mill, Monroe; Band Mill, Parkdale, Ark.; Dry Kilns and Flooring Plant, Monroe, La. 5-17

La., Shreveport—Shreveport Packing Co., 725 Texas St., receive bids May 28 for erecting \$75,000 packing plant, Mansfield Rd.; rein. conc., brick, steel; following contractors estimating: M. C. Brown, City Bank Bldg.; H. & B. Construction Co., Ricou-Breu Bldg.; Tom Green, Ward Bldg.; K. C. Wilson, Augurs St.; Glassell-Wilson Co., Inc., 501 Texas St.; Werner Co., Inc., Com'l Bank Bldg.; Clarence W. King, Archt., Giddens-Lane Bldg.

Okla., Asher—Ketchum Lumber Co. purchased Mexodon Lumber Co.

Okla., Lahoma—P. H. Poindexter acquired Long-Bell Lumber Co.'s lumber yard; will improve.

Okla., Tecumseh—Weleetka Lumber Co. acquired C. B. Billington Lumber Co.

S. C., Batesburg—Batesburg Lumber Co. merged with Twin City Lumber Co., Leesville.

Tex., Beaumont—Beaumont Import & Export Co., 401 Perlstein Bldg., John W. O'Shaughnessy, Mgr., erect \$75,000 lumber mill, on 15-acre tract in Van Wormer industrial subdivision; J. T. Wrenn, Townsend, Tenn., will supervise construction.

Tex., Houston—Joe Huggins Lumber Co., capital \$25,000, incorporated; Joe O. Huggins, Chronicle Bldg.

Tex., Houston—Maurice Angly Lumber Co., capital \$20,000, incorporated; Russell Brown, 3104 Main St.

Tex., Trinity—Sabine Lumber Refining Co., capital \$30,000, incorporated; P. T. Sander-son, J. W. Reynolds.

Va., Norfolk—American Creosoting Co., Bank of Com. Bldg., acquired site in old navy yard annex, will erect boiler rooms, tanks and machinery building, \$50,000; F. A. Duke, Contr.

Miscellaneous Construction

Fla., Pass-A-Grille—City, Edwin E. Williams, Clk., construct 3300 lin. ft. seawall, rein. conc. slab, and 2 docks; bond issue available. 5-17

Ky., Ashland—City acquired sites for 2 incinerators.

Okla., Stillwater—Swimming Pool—City erect \$30,000 municipal swimming pool; C. A. Wood, Engr.

Tex., Galveston—County Commrs. let contract to J. W. Zempter & Co., 2204 B St., for removing old groin pilings from gulf beach from Seventh to 39th St. 4-26

Tex., Houston—Port Comm., Maj. B. C. Ailin, Director, let contract to Don Hall, Cotton Exch. Bldg., for constructing wharf shed No. 15; 1 story, conc. 5-3

Tex., Texas City—Dike—Galveston County Commrs. let contract, at \$108,444, for sections A-3 and A-4, John Jacobson and C. K. Horton, Houston, at \$43,402 for section H, for first 2 sections of dike at protective works; work to begin within 30 days. 4-12

Miscellaneous Enterprises

Ala., Bridgeport—Chamber of Commerce interested in establishing cheese factory.

Fla., Bradenton—G. M. Cannon, Jr., Dalton, Ga., let contract to Varney Bros. for 2-story building, 13th St.; brick, \$20,000; to be occupied by Bradenton Publishing Co.

Fla., Jacksonville—Bell Mfg. Co., Inc., R. J. Bell, Pres., plans erecting \$75,000 steel barrel factory.

Fla., Jacksonville—Swift & Co., U. S. Yards, Chicago, Ill., let contract to R. J. Gallespie, 111 W. Ashley St., for erecting refinery for producing vegetable shortening; 100x200 ft.; \$250,000. 4-26

Fla., Miami—Dade County Dairies, Inc., chartered; H. I. Lipnitz, Ingram Bldg.

Fla., Miami—J. C. Pereno Engineering Co., incorporated; J. C. Pereno, Congress Bldg.

Fla., Palmetto—M. O. and J. L. Harrison let contract to F. E. Cecil for erecting packing plant addition; 1 story, 50x75 ft.

Fla., Sebring—Hinckley-Durrance Hardware Co., capital \$25,000, incorporated; R. N. Durrance, S. V. Hinckley.

Fla., St. Petersburg—Everglades Chemical Co., incorporated; G. C. Smith, E-340 14th Ave. N.

Fla., St. Petersburg—Electrical Work—Seaman & Elston, Inc., 818 Central Ave., capital \$15,000, incorporated; William Seaman.

Fla., Tampa—Henry Bros. & Co. erect \$50,000 abattoir and meat packing plant on Palm River Rd.

Fla., West Palm Beach—Electric Signs—Gentry Bros., Inc., capital \$25,000, incorporated; G. J. Gentry.

Ga., Atlanta—Manor Bakers, care C. J. Patterson Corp., 40th and Penn Sts., Kansas City, Mo., erect \$100,000 bakery; 2 stories and basement, rein. conc., struct. steel, brick and hollow tile, comp. roof, conc. and tile floors; Fogel Construction Co., 619 Reliance Bldg., Kansas City, Mo.

Ky., Caneyville—Caneyville Building Co., capital \$20,000, incorporated; Roy Willis, L. B. Bryant.

Ky., Lexington—Lexington Engraving Co., capital \$10,000, incorporated; C. L. Thompson, 141 S. Hanover Ave.

Ky., Owensboro—City will install 12 traffic lights.

La., Bossier City—Bossier City Packing Co., Inc., capital \$50,000, chartered; C. F. Adams, Roy Beery; erect packing plant.

La., New Orleans—Orleans Electric, Inc., chartered; C. O. Friedrichs, Jr., 330 Carondelet St.

La., New Orleans—Clover Fruit & Nut Ice Cream, Inc., capital \$30,000, incorporated; Carl A. Fisher, 821 Perdido St.

Md., Baltimore—Science Publishers, Inc., 111 N. Charles St., incorporated; Harry L. Drake.

Md., Baltimore—Mineral Products—Upshur Fuel and Mfg. Co., Inc., Fidelity Bldg., incorporated; James D. Marchant.

Md., Rockville—Photography—Hicks Photo Finishers, Inc., chartered; Walter W. Hicks, George S. Cullen.

Miss., Calhoun City—Calhoun City Exchange Club interested in establishing milk plant.

Miss., Philadelphia—Beach Milk Products Co., G. R. Beach, Jr., Pres., erect building; 30x80 ft., brick.

Mo., Cape Girardeau—Ben. F. Welter, Sikeston, let contract to Sam R. Smith for \$15,000 bakery and millinery building; 40x101 ft., 2 stories, ornamental mat brick, tile, mansard roof, w. i. trimmings; Reither & Lindsay, Archts.

Mo., Chillicothe—Producers' Creamery Co. let contract to J. G. Robertson, Laredo, at \$18,300 for erecting creamery, First and Vine Sts.; 50x75 ft., 1 story.

Mo., Kansas City—Lowe & Campbell Athletic Goods Co., 1509 Baltimore St., increased capital, \$450,000 to \$625,000.

Mo., Kansas City—Missouri Laboratories, Inc., incorporated; Oscar C. Lundquist, 5734 Forest St.

Mo., Springfield—Springfield Leader Co., 200 S. Jefferson St., has acquired Springfield Daily News.

Mo., St. Louis—Tool Appliances for Machinery, etc.—Stiles-Herman Mfg. Co., incorporated; Herman Johnson, 3719 Mermec St.

Mo., St. Louis—MacGregor Valve Co., incorporated; Guy M. Harcourt, Halbert P. MacGregor, 4502 Forest Park Blvd.

Mo., St. Louis—Advance Printing Roller Co., Inc., 2516 N. 22d St., incorporated; Charles G. Norman.

Mo., St. Louis—Road Spreader Device—Frank C. Stolle Mfg. Co., incorporated; Frank C. Stolle, 529 S. Rockhill Rd.

N. C., Charlotte—Smith Printing Co., 30 S. College St., erect plant addition. 5-17

N. C., Charlotte—News Publishing Co., W. C. Dowd, Jr., Pres., remodel present building, Church and Fourth Sts., and erect 2-story, 47x90 ft. building to be joined and form one structure; cost \$250,000; steel, conc. Indiana limestone front; Lockwood, Greene & Co., Archt.-Engrs.; Goode Construction Co., Contr., 11 E. Fifth St.

N. C., Greensboro—Ebroclo Shirt Co., Elm St., let contract to Walter Kidde & Co., Inc., Contr., Jefferson Bldg., for erecting \$100,000 factory; brick, steel, 2 stories, 60x144 ft.; let sub-contracts to following: Heating, E. MacKenzie, Inc., 349 N. Elm St.; sprinkler, W. W. Dick, 246 Bellemeade Ave.; plumbing, Harry Biddell, Jefferson Bldg.; millwork framing lumber, Gettinger Lumber Co.; painting, John Luppe; struc. steel, Carolina Steel & Iron Co., S. Elm St.; C. C. Hartmann, Archt., Jefferson Bldg.

N. C., Jonesville—Riverside Milling Co., capital \$50,000, incorporated; R. G. Smith, Elkin; C. C. Tharpe, Ronda.

N. C., New Bern—New Bern Overall Co., capital \$50,000, incorporated; Sam Lipman, Harry Lipman, B. F. Williams.

Okla., Oklahoma City—Irish Gas Radiator Co., capital \$50,000, incorporated; A. D. Rochau, 701 W. 13th St.

Okla., Oklahoma City—City, E. M. Fry, Mgr., plans receiving bids about June 12 on traffic signal lights for 22 intersections; on Broadway from California Ave. to Fourth St. and Walker St.

Okla., Oklahoma City—City, W. W. Small, Engr., let contract to Seagraves Corp., Columbus, Ohio, for fire trucks; to Fabric Fire Hose Co., 9 Park Place, New York, for 4000 ft. fire hose.

Okla., Tulsa—Thomas Electric Co., incorporated; John F. Kerrigan, Robinson Bldg.

Tenn., Memphis—Coca Cola Bottling Co., Phil Pidgeon, Washington Ave. and Fourth St., remodel plant; A. F. Klee, Contr., 797 N. Evergreen St.

Tenn., Memphis—Forest Hill Dairy Co., 1647 Union St., let contract to Gauger-Korsmo Construction Co., Fidelity Bldg., for \$50,000 building, Madison Ave. and Morrison St.; brick, 2 stories and basement.

Tenn., Nashville—Old Hickory Chemical Co., du Pont subsidiary, erect plant for manufacturing of carbon bisulphide.

Tenn., Nashville—Connors Steel Co., Empire Bldg., Birmingham, Ala., has contract for 120 tons of rein. steel for Victory Chemical Works plant. 3-22

Tenn., Nashville—Building—Sexton Improvement Co., Belle Meade, capital \$75,000, incorporated; H. E. Sexton.

Tenn., Rogersville—Geo. L. Berry, reported, will incorporate International Playing Card and Label Co., capital \$1,000,000; leased building, will establish plant to manufacture cigaret package wrappers.

Tenn., Tullahoma—Modern Cleaners, incorporated; S. B. Cribble, J. M. Carney, E. B. Thomas.

Tex., Amarillo—United States Zinc Co., University Heights, plans erecting \$50,000 zinc plant.

Tex., Breckenridge—Marsh-Fendress, Austin, acquired Breckenridge Daily American; Eugene Hinricks will be local Mgr.

Tex., Clarksville—W. A. McClue, Dallas, plans erecting ice cream plant.

Tex., Dallas—Southwest Construction Co., capital \$100,000, incorporated; L. H. Lacy, 2632 Swiss St.

Tex., Dallas—Dallas Pants Mfg. Co., incorporated; J. M. Haggard, 2316 N. Garrett St.

Tex., Eastland—Ideal Dairy erect \$20,000 building.

Tex., Graham—Kaintuck Swimming Pool Co., incorporated; W. N. Varble, H. L. Thornton, Fred T. Arnold.

Tex., Houston—Southern Wrecking Co., incorporated; O. E. Jacobs, Jr., 3008 Milam St.

Tex., Houston—Keyworth Dairy, Inc., capital \$20,000, chartered; Alfred E. Reidel, W. C. Compton, A. C. Christen.

Tex., Huntsville—Dixie Creamery Co., Inc., 2419 Southern St., Shreveport, La., plans establishing creamery.

Tex., Port Arthur—Gulf States Machine Supply Co., incorporated; A. Grossman, 3501 Fifth Ave.

Tex., Temple—Temple Milk & Creamery Co., Fifth St. and A Ave., erect building; 60x66 ft., brick, tile, conc., cement floors.

Tex., Three Rivers—Three Rivers Glass Co. increased capital, \$150,000 to \$250,000.

Tex., Vernon—Hicks Rubber Co., Inc., chartered; B. B. Cauble, T. B. Raines, D. T. Hicks.

Motor Bus Lines and Terminals

D. C., Washington—Washington Suburban Coach Co., incorporated; James Stephens, Washington, D. C.; H. Wise Kelly, Fairfax, Va.

Fla., Tampa—Tamiara Trail Tours, Carl Winston, Gen. Mgr., Fort Myers, acquired Gulf Coast Motor Co., operating buses between Tampa and Sarasota.

Texas—State Railroad Comm., Austin, authorized Sunshine Bus Lines, Inc., to acquire and operate bus lines from Greenville to Terrell, from Mineola to Greenville and from Dallas to Palestine bus lines.

Tex., San Antonio—Union Southland Bus Co., E. C. Ekstrom, Pres., 303 Dewey St., plans \$350,000 bus terminal.

Va., Roanoke—Roanoke Ry. & Electric Co., 129 Campbell Ave. E. C. B. Short, Mgr., acquired Safety Motor Transit Co., 25 Salem Ave. W., operating motor bus lines to Melrose, Villa Heights, Rugby, Rorer Ave., Virginia Heights, Wasena, Belmont Hill, Waverly, McDowell Ave. and Highland.

Motor Cars, Garages, Filling Stations

Fla., Jacksonville—Filling Stations—Curty & Oak, Inc., 337 Riverside Ave., incorporated; A. Curty.

Fla., St. Augustine—Fawcetttoy Motors, Inc., incorporated; W. L. Foy.

Fla., Tampa—Bradford-Hightower Motor Corp. incorporated; Carson Bradford, Sr., 5106 Tenth St.

Fla., Titusville—Gasoline Stations—J. M. Chick, Inc., chartered; J. M. Chick, L. M. Gray.

Ga., Augusta—Double Service Garage, Inc., capital \$50,000, incorporated; T. Norris Sherry, 1316 Highland Ave.

Ga., Augusta—McGowan-Motes Motor Co. erect \$65,000 building, Broad and 14th Sts.; conc., steel, tile trim, 135x135 ft.

Ky., Louisville—Randolph Motor Co., capital \$40,000, incorporated; C. S. Potter, 4700 Southern Pkwy.

Md., Baltimore—Rife Garage, Inc., 24 Falls-way, incorporated; George W. Rife.

Md., Westminster—Taylor Motor Co., 54 E. Main St., incorporated; Milton H. Talkin.

Miss., Magnolia—Weathersby Motor Co. let contract to Fuller & French, McComb, for garage; brick.

Mo., Kansas City—Chevrolet Fisher Body Corp., Detroit, Mich., will establish plant at Chevrolet Motors Corp. assembly plant consist of assembly unit, office building, parts and service building, drive-away shed, loading dock, power house; have taken over 28 acres in Leeds Dist. for buildings.

Mo., Lees Summit—Turoff Motor Co., incorporated; Ben Turoff, E. P. Turoff, T. Callaghan.

Mo., St. Louis—W. M. Stanton, care W. M. Stanton & Son, 5015 St. Louis Ave., plans erecting garage.

Mo., St. Louis—Frank Fieser, 6261 Clayton Ave., erect \$30,000 garage; 1 story, brick.

N. C., Asheville—F. E. Lykes & Co., F. E. Lykes, Pres., Mills Bldg., erect \$75,000 automobile storage and garage building, Cox and Commerce Sts.; 3 stories, 100x80 ft., rein. steel, face brick, terra cotta trim; V. W. Breeze, Archt., Castanea Bldg.; Beeler & Co., Contrs., McIntyre Bldg.; Lykes Service Co., 35 Market St., will lease building.

N. C., Henderson—Corbitt Truck Co., Henderson, has merged with Sterling Motor Truck Co., Milwaukee, Wis.

N. C., Hickory—Harper Motor Co., Federal St. and Government Ave., let contract to Cline & Marlow for erecting building; fireproof, 2 stories, 60x125 ft., conc. floor, comp. roof.

Okla., Oklahoma City—J. A. Holmboe Construction Co., 426 W. Second St., has contract for erecting \$10,000 brick garage on W. Third St.

Okla., Ponca City—United Auto Parts & Salvage Co., incorporated; Orville M. Savage, J. W. Donahue, Glen L. Wigton.

Okla., Sherman—Thomason Truck Co., incorporated; Arthur R. Thomason, Sam Romine.

Okla., Tulsa—Haynes Auto Supply Co., capital \$20,000, incorporated; W. W. Haynes, 820 S. Evanston St.

S. C., Anderson—Clyde L. Stone, N. Main St., receives bids Aug. 1 for building, S. Main and Reed Sts.; 2 stories, 55x138 ft., brick; Casey & Faut, Archts., N. Main St.

Tenn., Memphis—R. E. Palmer, Fidelity Bk. Bldg., erect filling station; brick, 1 story, comp. and tile roof, conc. floors; Geo. Mahan, Jr., Archt., 700 American Bk. Bldg.

Tenn., Memphis—Louis Koles, 1723 Union Ave., plans erecting \$10,000 filling station; comp. and tile roof, brick veneer, 1 story.

Tenn., Memphis—Mrs. W. W. Miller, Highland Ave., erect \$15,000 filling station; brick, steel, 1 story, 152x60 ft., comp. built-up roof; W. C. Lester, Archt., Dermott Bldg.; McDonnell Construction Co., Contr., Empire Bldg.

Tenn., Nashville—Nashville Motor Co., incorporated; Ben F. Harris, Vauxhall.

Tex., Austin—Brooks Tire Co., incorporated; Edward Brooks, 512 W. 33rd St.

Tex., Harlingen—Abbott Buick Co., incorporated; A. D. Storey, Thomas F. Abbott.

Tex., Houston—Hargis Chevrolet Co., capital \$50,000, incorporated; F. E. Hargis, 2606 Lincoln St.

Tex., Longview—Mrs. E. W. Hoyler erect \$10,000 building to be occupied by McKay Motor Co.; 30x100 ft., brick; Lindsay & Kilmer, Archts., Greenville; Phillips, Hall & Lemar, Contrs.

Tex., McKinney—Underwood Chevrolet Co., incorporated; R. C. Underwood, R. C. Heathington, H. D. Macy.

Tex., Odessa—Judge T. G. Hendricks erect \$50,000 building, will lease first floor to Love-Ford Motor Co.; offices on second floor.

Tex., Pittsburg—W. Maddox acquired site, Jefferson St., erect filling station.

Tex., San Angelo—Storey Motor Co., incorporated; W. A. Wright, H. H. Storey, R. H. Compton.

Tex., San Antonio—Barton Wright Motor Co., incorporated; J. L. Wright, 322 Schley Ave.

Railways

Arkansas—Missouri-Pacific R. R. Co., E. A. Hadley, Ch. Engr., St. Louis, Mo., recently let contract to Winston Bros. Co., Minneapolis, Minn., for raising main track through Fourche Bottoms south of Little Rock; 155,000 yds. of embankment material will be required; List Construction Co., 417 Ry. Exch., Kansas City, has contract for raising main track in 5 locations between Benton and Smithton, south of Little Rock on line to Texas and Mexico; 370,000 cu. yds. of embankment will be required for raising and strengthening roadbed.

Md., Cumberland—Baltimore & Ohio R. R. Co., H. L. Lane, Ch. Engr., Baltimore, let contract at \$100,000 to Bickelhaupt, Inc., 311 Amer. Nat'l Bk. Bldg., Richmond, Va., for water treating plant with pumping facilities; conc. brick, conc. floor, output 300,000 gals. per day; contracts let to Chicago Bridge & Iron Works, 30 Church St., New York, for tanks; to Graver Corp., East Chicago, Ind., for treating equipment.

Md., Love Point—Pennsylvania Railroad Co., E. M. Temple, Ch. Engr. (Eastern Region), Philadelphia, Pa., applied to Interstate Commerce Comm. for authority to acquire control, through stock purchase, of 38-mi. line of Baltimore & Eastern R. R., operating from Love Point to West Denton, Md.

Mo., St. Louis—Terminal Railroad Assn. of St. Louis plans expending \$3,000,000 for terminal and other facilities. See Buildings Proposed—Railway Stations, Sheds, etc.

Oklahoma—Beaver, Meade & Englewood R. R. Co., J. Achenbach, Pres., Hardtner, Kan., has applied to Interstate Commerce Comm. for authority to issue bonds in amount of \$20,000 per mi. of new construction from Hooker to Keyes, projected extension 59 mi. in length; also to issue common stock in amount of \$246.35 per mi.

Okla., Muskogee—Interstate Commerce Comm. authorized Kansas, Oklahoma and Gulf Ry. Co., C. Kaighn, Ch. Engr., to issue \$3,951,000 of first mortgage 5% gold bonds series of 1978; bonds will be sold at now less than 94% of par; proceeds to be used for retirement and redemption of outstanding securities and reimbursements of carrier's treasury for capital expenditures.

Tenn., Harriman—Harriman and Northeastern R. R. Co., of Southern Ry. System, G. L. Sitton, Ch. Engr., Charlotte, N. C., plans additional track facilities, \$23,000.

Texas—Panhandle and Santa Fe Ry. Co., R. H. Allison, V.-Pres., Amarillo, plans acquiring by lease Clinton and Oklahoma Western Ry. Co., which operates line from

Clinton, Okla., to Cheyenne, Okla.; also granted permission by Interstate Commerce Comm. for Clinton and Oklahoma Western Ry. to extend its line from Cheyenne to Pampa, Tex. 5-17

Tex., Denison—Interstate Commerce Comm. authorized Kansas, Oklahoma and Gulf Ry. Co. of Texas, J. T. Suggs, Pres., to issue \$67,000 of first mortgage 5% gold bonds to be sold at not less than par; proceeds to be used to repay advances.

Va., Norfolk—Seaboard Air Line Rwy. Co., L. R. Powell, Jr., Pres., granted authority by Interstate Commerce Comm. to issue \$1,200,000 first-lien 4½% equipment trust certificates; \$42,000 of second-lien 5% equipment trust certificates, and \$28,977 of deferred no-dividend equipment trust certificates; (certificates will be issued under date of Mar. 1, 1928, by Chase National Bk., New York); first-lien certificates to be sold at 97.719% of par and accrued div'ds to Freeman & Co., New York; and second-lien and deferred certificates at not less than par to Baldwin Locomotive Works and American Car & Foundry Co., in connection with procurement of 25 switching locomotives, costing \$987,500, 11 gas-electric motor cars, 11 trailer passenger cars and 1 trailer express car, at cost of \$661,477.

Roads, Streets and Paving

Proposed Construction

Ala., Decatur—City, E. W. Collier, Clk., plans conc. curb and gutters on Alabama Ave.; rebuild Second Ave.

Ala., Mobile—City, S. H. Hendrix, Clk., receives bids June 5 for street improvements in paving venture No. 26A. 5-10

Ark., Little Rock—City plans grading, curbing and conc. paving 7 blocks, Dist. 501 and 502.

Ark., Little Rock—City considering new paved route into Pulaski Heights via Lincoln Ave.

Ark., Little Rock—Pulaski County will asphalt 10 mi. Twelfth St. to Fletcher Creek; pave Mabelvale road; sold \$85,000 bonds.

Ark., Searcy—City plans expending \$42,000 to grade, curb, conc. pave 14 blocks in Dist. 11 and 6.

D. C., Washington—Dist. Commrs. receive bids May 25 to apply 600,000 sq. yd. bit. surface on various streets.

D. C., Washington—Dist. Commrs. received low bid from Cranford Co., 3056 K St., N. W., to resurface streets with heater method. 5-8

Fla., Warrington—Trustees of Village of Warrington, W. G. Child, receive bids June 1, at U. S. Naval Air Station, Pensacola, for 2300 lin. ft. sand clay, gravel surface road, in Warrington.

Fla., West Palm Beach—W. L. McGriff of W. J. Connors organization announces Connors Highway will be levelled and resurfaced from Twenty Mile Bend to Canal Point.

Ga., Swainsboro—State Highway Bd., Atlanta, receives bids May 31 for 48 mi. Wilson Highway, Swainsboro to Altamaha River.

Ga., Thomson—McDuffie County relocating Highway 10, Augusta to Washington, through Thomson; plans grading and widening.

Ky., Brooksville—State Highway Comm., Frankfort, plans 6½ mi. Brooksville-Mt. Olivet State road, via Parina, Bracken County.

Ky., Lexington—See Bridges, Culverts, Viaducts.

La., Cameron—Cameron Parish Police Jury considering highway east of Calcasieu River and Lake, from Lake Charles to Grand Lake, then to Creole and Cameron.

La., Crowley—City considering shell or graveling various streets.

La., Hahnville—St. Charles Parish Police Jury receives bids June 5 for 3-ft. conc. sidewalks, Destrehan High School to Red Church road. Lately noted bids May 1. 4-26

La., Winnfield—City, Mayor and Bd. of Aldermen will receive bids soon to grade, drain, curb and for 6-in. rein. conc. paving Main and Pineville Sts.; Charles D. Evans, Const. Engr., 414 Levy Bldg., Shreveport. Lately noted bids May 29. 5-10

Maryland—State Roads Comm., Baltimore, received low bids for 8 roads: Washington County—1 mi. macad. surface, Williamsport toward Lappans, I. G. Robinson, Hancock, \$14,021; Frederick County—1.28 mi. conc. shoulders, Thurmont toward Sabillasville, M. J. Grove Lime Co., Lime Kiln, \$25,758; Calvert County—1.38 mi. gravel, end of Cont. C-28 to Soller's Wharf, G. B. Mullin, 1296 Upshur St., N. W., Washington, D. C., \$14,027; Caroline County—1.01 mi. conc. point near Bridgetown toward Baltimore Corner, P. D. Phillips & Bro., Salisbury, \$20,494;

Dorchester County—2 mi. conc. end of Cont. Wo-43 toward Public Landing, Hannaman-Burroughs Co., Salisbury, \$36,998; Allegany County—1.09 mi. conc. shoulders, Nave's Farm road, National Pike to Bedford road; Braddock road, Cumberland toward Allegany Grove, S. T. Brotemarkle, Cumberland, \$9048; Montgomery County—3 mi. conc. shoulders, Seventh St. pike, Norbeck to Olney, Latimer Maloney, 17th and Holly Sts., N. W., Washington, \$22,454; Somerset County—7.47 mi. conc. shoulders, Westover Junction toward Pocomoke City, Hannaman-Burroughs Co., \$25,232. 5-3

Maryland—State Roads Comm., Baltimore, receives bids June 5 for 8 roads: Montgomery County—1 mi. conc., Claysville toward Olney, Cont. M-67; Harford County—97 mi. conc., Level toward Darlington, Cont. H-65; Dorchester County—1.02 mi. conc., Thomas Corner to Secretary, Cont. D-49; Allegany County—3.28 mi. conc. shoulders and resurfacing, along Bedford road; Naves Cross road toward Penna. State Line, Cont. 258-A; Howard County—1.82 mi. macad. shoulders, along Lawyers Hill road, Washington-Baltimore Blvd. to Montgomery road, Ho-36-A; Harford County—2 mi. conc. shoulders, along Pylesville road, Penna. State Line toward Pylesville, Cont. 105-A; 2.97 mi. conc. shoulders, Swann Creek to Havre de Grace, Cont. H-16-A.

Md., Baltimore—City, Nathan L. Smith, Highways Engr., plans expending \$50,000 to pave Boston St., Fleet and Chester Sts. to Hudson.

Md., Baltimore—Bd. of Estimates approved expending \$70,000 to pave with sheet asphalt present 42-ft. wide roadway, Charles St. Ave., from Cold Spring Lane to Wyndhurst Ave.; plans letting contract to widen Charles St. Ave. 66 to 130 ft., Cold Spring Lane to northern city limits; approved widening, grading, paving 7 streets in various sections; Nathan L. Smith, Highways Engr. 4-26

Md., Baltimore—Dept. of Public Works, Bureau of Highways, Nathan L. Smith, Highways Engr., received low bid from Balto. Asphalt Block & Tile Co., Monroe and Lorman Sts., \$56,697, for 12,950 sq. yd. sheet asphalt, conc. base, paving, Cont. 400. 5-10

Md., Baltimore—Bd. of Awards receives bids May 31 to grade, curb and pave with 15,000 sq. yd. sheet asphalt, conc. base, streets in Cont. 462; Nathan L. Smith, Highways Engr.

Miss., Columbia—City plans receiving bids for \$70,000 paving, Broad St., from High School Ave. east.

Miss., Corinth—Alcorn County plans \$600,000 for roads and bridges; \$400,000, graveling; \$125,000, grading; \$75,000, bridges and culverts. See Financial News.

Miss., Fayette—Jefferson County Bd. of Supvrs., receives bids June 8 for .627 mi. grading and paving Hazlehurst to Natchez Highway.

Miss., Holly Springs—Marshall County Bd. of Supvrs. and Mayor and Bd. of Aldermen, receive bids June 6 to surface State Trunk road, between Holly Springs and Oxford, 121,841 sq. yds. mixing clay and gravel, 7,924 sq. yds. 24-ft. conc. pavement, 3,935 lin. ft. combination conc. curb and gutter.

Miss., Holly Springs—C. B. Smith, City Clk., receives bids June 6 for 7,924 sq. yd. conc. pavement, 393 lin. ft. combination conc. curb and gutter.

Miss., Laurel—Jones County Bd. of Supvrs., considering \$600,000 for roads in Beats 1, 2 and 3, including Jackson Highway and Reddock's Ferry road. See Financial News.

Miss., Natchez—Adams County Bd. of Supvrs., H. B. Vaughan, Pres., receives bids June 5 for building and drainage structures on Anna Road.

Miss., Oxford—Lafayette County Bd. of Supvrs., plan highway from Oxford to Panola County line via College Hill and Hays Crossing on Tallahatchie River; Panola County Bd. of Supvrs. may extend road to Highway 51, near Sardis.

Miss., Pascagoula—Jackson County Bd. of Supvrs., receives bids June 5 for 2.8 mi. Old Spanish Trail between Pascagoula River and Gautier.

Miss., Tylertown—Walthall County plans \$12,000 for roads in Second Dist. See Financial News.

Miss., Winona—Montgomery County Bd. of Supvrs., receives bids June 5 for 4.342 mi. gravel, Winona to Durant Highway.

Missouri—State Highway Comm., Jefferson City, receives bids June 1 for 25 roads and 13 bridges: Gentry County—2.551 and 2.872 mi. 18-ft. gravel, Worth County line south, 6766 cu. yd. paving; Randolph County—3.626 and 3.331 mi. 30-ft. earth, Moberly, east, 77,459 cu. yd. excavation; bridge over creek;

Carroll County—1.158 mi. 30-ft. graded earth, Grand River, west, 65,575 cu. yd. excavation; Carroll-Chariton Counties—bridge over Grand River, three 140-ft. trusses, fourteen 45-ft. deck girders; Chariton County—958 mi. 30-ft. graded earth, Brunswick, west, 21,730 cu. yd. excavation; Pettis County—936 mi. 18-ft. conc. Sedalia, north, 9549 cu. yd. excavation, 9772 sq. yd. paving.

In Platte County—3.758 mi. 9-ft. conc. Platte City, west, 12,258 cu. yd. excavation, 19,957 sq. yd. paving; 911 mi. 18-ft. conc., and 18-ft. gravel, Platte City, north; Boone County—3.365 and 3.385 mi. 18-ft. conc., Columbia-Hinton road, 160,873 cu. yd. excavation, 72,465 sq. yd. paving; bridges over Bear Creek and Rocky Fork; Cole County—2.834, 4.378 and 2.901 mi. 18-ft. conc., Jefferson City, east, 16,766 cu. yd. excavation, 108,886 sq. yd. paving; Crawford County—3.958, 3.941 and .919 mi. 18-ft. conc., Cuba, east, 18,517 cu. yd. excavation, 93,131 sq. yd. paving; Franklin County—repair bridge, road from Washington to Route 66, 22,380 lb. struct. steel; Ste. Genevieve County—2.777 mi. 18-ft. gravel, Bloomsdale, south, 33,344 cu. yd. excavation.

In Dade County—3.008 mi. 30-ft. graded earth, Lockwood-Golden City, 31,685 cu. yd. excavation; bridges over Dry Branch and creek; Jasper County—1.413 mi. 30-ft. graded earth, Carthage, north, 58,548 cu. yd. excavation; bridges over Overflow Spring River, Missouri Pacific R. R., etc.; Dent County—4.744 mi. 30-ft. graded earth, Salem, north, 42,068 cu. yd. excavation; Bollinger County—2.803 mi. 18-ft. gravel, Dongola, north; Butler County—4.853 mi. 9-ft. conc. and 4-ft. gravel, 3.762 mi. 9-ft. conc. 4-ft. gravel, 18-ft. gravel, Poplar Bluff-Campbell, 13,333 cu. yd. excavation, 25,349 sq. yd. paving, \$691 cu. yd. paving; Cape Girardeau County—582 mi. 30-ft. graded earth, Cape Girardeau, south, 71,617 cu. yd. excavation; bridges over Little Ramsey Creek and Frisco R. R.

Mo., Joplin—City Council may receive bids soon to pave Wall St., with 36-ft. wide conc. slab, squeegee asphalt top, Tenth to Twenty-first St., \$34,000. 5-3

Mo., Joplin—City considering paving Eighth St., Joplin to alley between Byers and Moffett Ave.; plans receiving bids for conc. sidewalks on Pearl and Murphy Ave.; S. B. Ashcraft, Engr.

Mo., Clayton—St. Louis County plans \$10,000,000 roads. See Financial News.

Mo., Ferguson, Ind. Branch St. Louis—City, S. G. Case, Clk., plans \$25,000 street improvement. See Financial News.

Mo., Palmyra—Marion County Court receives bids May 28 for gravel road from Warren to Shelby County line.

Mo., Springfield—City, C. A. Dickerson, Clk., probably lay 9-ft. cement walk, Roberson Ave., Olive to Missouri Pacific right of way; conc. pave and curb St. Louis St., Delaware Ave. to Glenstone road.

Mo., St. Joseph—City plans resurfacing N. Twenty-second with 2-in. asphaltic conc. on present, Moss to Highland; 6-in. conc. base, 2-in. asphaltic conc. top, Highland to point south of Boyd.

Mo., St. Joseph—Bd. of Public Works considering repaving Frederick Blvd., Noyes Blvd. to State Hospital; install sewers.

Mo., St. Joseph—Bd. of Public Works plans paving Hyde Park Ave., South Seventh St. to Noyes Ave.; received low bid from Judson Engineering and Construction Co., 1811 Faraon St., to pave Eleventh St., Randolph to Green; Land Construction Co., Kirkpatrick Bldg., to resurface Renick St., Twenty-seventh to Twenty-eighth.

Mo., St. Louis—Bd. of Public Service received low bids, \$136,440, for paving 11 streets: Frank A. Stiers, Garrison and Magazine Sts.; Alfred Lewald, Inc., 6025 Cabanne St.

Mo., St. Louis—Bd. of Public Service receives bids June 5 to improve Hodlamont Ave.; rebuild Franklin Ave., Third to Ninth, Ninth to High.

N. C., Asheville—City, L. B. Rogers, Commr., plans resurfacing Merriman Ave. and Charlotte St.; widen Davidson St.; widen Patton Ave.; pave Marjorie St.; will sell bonds.

N. C., Fayetteville—Mayor and Bd. of Aldermen, H. J. Bule, City Clk., receive bids May 31 for 14,629 sq. yds. standard pavement, 10,382 lin. ft. combined cement conc. curb and gutter, grading, excavation, manholes, sewers, etc.; Thomas D. Rose, Engr.

Okl., Edmond—City plans 12,100 sq. yd. grading, conc. paving, Dist. 10, \$38,477; F. H. Peckham, Engr., Oklahoma City.

Okl., Elk City—City receives bids soon for 11,510 sq. yd. 6-in. conc. paving, \$42,000; Benham Engineering Co., 512 Gunbel Bldg., Kansas City, Mo.

Okl., Oklahoma City—City, E. M. Fry, Mgr., plans paving 14 streets and avenues, including Seventeenth St. and Stiles Ave., in 2 districts.

S. C., Belton—Town, R. L. Parker, Clk., receives bids May 25 for 5000 cu. yd. excavation, 28,000 sq. yd. sheet asphalt, asphaltic conc. or Warrenite bitulthic paving, 18,000 lin. ft. curb and gutter, storm drains, 20 catch basins; F. R. Sweeney & Co., Engrs., 115½ Earle St., Anderson.

S. C., Greenwood—State Highway Comm., Columbia, plans surface treating Route 55, DeVore's Store, on Dixie Highway via Epworth to Saluda County line; surface treat 7 mi. Route 7, Calhoun Highway, Greenwood to Cothran Bridge over Saluda River, Greenwood County.

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Tenn., Chattanooga—Hamilton County plans 80-ft. Ringgold road, from new Bachman tunnel through Missionary Ridge to Georgia State line.

Tenn., Memphis—City plans expending \$132,405 to improve 8 avenues and alley; W. Fowler, Engr.

Tenn., Memphis—City, Mayor Overton, plans expending \$33,597, to improve Thomas Ave.

Tenn., Nashville—Davidson County Highway Comm., Finley M. Dorris, Chmn., receives bids June 6 for road from Gallatin pike, via Cumberland River Bridge to Old Hickory.

Tenn., Nashville—Davidson County Highway Comm., Finley M. Dorris, Chmn., receives bids June 6 to grade, drain and pave Projects AB and AF.

Tenn., Paris—City, E. M. Culley, Mayor, plans 20,000 lin. ft. conc. curb and gutter, \$25,000.

Tenn., Summersville—Nicholas County and State Highway Comm., Columbia, receive bids June 12 for 6 mi. vit. or conc. cement paving, Calvin-Allingdale road.

Tenn., Tazewell—Highway Commr., Harry S. Perry, Nashville, authorized expenditure of \$15,000 for 4 mi. road, between "Y," State Highway 32, Claiborne County, and Lone Mountain.

Tex., Albany—Shackelford County plans expending \$300,000 to complete link in Bankhead Highway, from point west of Albany to Taylor County line; complete Highway 23; completing hard surface roads from county line to county line in each direction from county seat; sold bonds. 5-10

Tex., Anson—Jones County, Owen Thomas, Judge, plans \$25,000 roads. See Financial News.

Tex., Brownsville—Cameron County Commr., Court may receive bids June 14 for 6 or 7 mi. paving on Santa Maria road, San Benito Precinct; Landrum's to Los Indios; Pennsylvania Ave. M road, Highway 12 to San Jose; road from El Fresnal to East Browne Tract road; Precinct 1; Paradise Line road, Freshos tract; Precinct 4, Harlingen territory; Combes to Hidalgo County line via Santa Rosa; Briggs-Coleman road; road north of Harlingen. 5-17

Tex., Corpus Christi—City Council allotted \$75,000 to widen Leopard, Staples and Chaparral St.; plans paving 7 streets, including Nineteenth, Mann.

Tex., Cuero—W. L. Ferguson, Chmn., Road Committee, Chamber of Commerce, plans im-

proving and widening Highway 29 near Cuero; preparing plans to widen Highway 29, Cuero to Gonzales County line; straighten Yoakum highway, eliminate grade crossing.

Tex., Denton—City plans 2-in. asphaltic conc. surface, East Hickory St., Court square to T. & P. station.

Tex., Eastland—Eastland County, E. S. Pritchard, Judge, plans conc. curb on Highways 23 and 67; grade separation on T. & P. Ry. crossing west of Cisco, \$250,000; A. P. Rollins, Engr.

Tex., Edinburg—Hidalgo County, Pharr-San Juan Dist., plans \$1,500,000 roads. See Financial News.

Tex., El Campo—City plans \$75,000 for street paving in business section, etc. See Financial News.

Tex., El Paso—El Paso County, Fred Wilson, County Engr., prepared plans for 12½ mi. grading, structures, paving, Bankhead Highway, El Paso County line to McNary; 20 mi. grading, structures, caliche base, gravel top, Carlsbad road.

Tex., El Paso—El Paso County, E. B. McClintock, Judge, plans 20 mi. grading, bridges, caliche and gravel surface, Highway 130 east from El Paso, \$150,000.

Tex., Fort Worth—Tarrant County Comms. plan expending \$4,423,000 to improve roads, including Fort Worth-Dallas, Camp Bowie Blvd., Keller cardinal road, Jacksboro route; plan \$497,000 for 14 bridges for lateral roads. See Financial News.

Tex., Houston—City, W. A. Moore, Sec., considering improving Airline Drive, N. Main St. to northern city limits; J. C. McVea, City Engr., preparing plans.

Tex., Houston—Harris County, H. L. Washburn, County Auditor, receives bids June 4 to resurface and surface treat Bellaire Blvd. and Richmond road.

Tex., Houston—City, W. A. Moore, Sec., considering plans to pave McGregor Way, Alameda road to Riverside Drive; J. C. McVea, City Engr.

Tex., Johnson City—Blanco County plans 16-mi. road from Johnson City to county line.

Tex., Longview—City, B. N. Taylor, Mgr., plans street paving.

Tex., Luling—City plans \$10,000 street paving. See Financial News.

Tex., Newton—Newton County considering building Highway 45 through county. See Financial News.

Tex., Palestine—Anderson County, E. H. Shelton, Judge, and Navarro County, Norman Hicks, Judge, considering extension of Tennessee Colony road, for continuous highway through Corsicana to Dallas.

Tex., San Antonio—See Land Development.

Tex., San Antonio—City, Fred Fries, Clk., plans widening Main Ave., Lakeview Ave. to Rodriguez St.

Tex., San Antonio—City, Fred Fries, Clk., plans paving North St. Mary's St. from bridge across San Antonio River to Camden St.

Tex., San Antonio—C. M. Chambers, Mayor, receives bids May 28 to improve North St. Mary's St. to Camden St.; I. Rwig, City Engr.

Tex., Waxahachie—Ellis County plans \$250,000 to pave Federal Highway 75 through Ferris Precinct; build 20 mi. rock base, gravelled lateral roads. See Financial News.

Virginia—State Highway Comn., Richmond, plans resurfacing 200 mi. roads in next few months: Route 10, from Strickleyville through Pennington's Gap to Jonesville, then to Wheeler Station, Lee County; tar treat State Route 11, Coeburn to St. Paul, then to Lebanon; Lebanon to Wardwell, Tazewell County, etc.

Va., Hillsville—Carroll County plans feeder road in 3 districts; Pipers Gap and Fancy Gap, \$75,000; Laurel Fork, \$90,000; will sell bonds.

Va., Lynchburg—City, R. W. B. Hart, Mgr., plans expending \$115,000 to repave Rivermont Ave.

Va., Norfolk—City, I. Walke Truxtun, Mgr., plans expending \$30,000 toward paving Waterworks road, pumping station to Lake Smith; total cost \$90,000. 5-17

Va., Richmond—R. Keith Compton, Dir. of Public Works, plans grading, curbing and guttering Avondale and Bellevue Ave.

Va., Richmond—City, R. Keith Compton, Dir. of Public Works, considering \$15,000 for curb and gutter, Seminary Ave., Brookland Blvd. to Lombardy; \$125,000 for sewers in Noble Ave.

West Virginia—State Road Comn., Charleston, receives bids June 12 for 13 roads, 2

bridges; Hancock County—3 mi. Chester, Pa., line road, and 4 mi. Wierton-Pennsylvania line road, cement, conc. or brick; Jackson County—2 mi. grading, draining Providence Chapel-Wirt County line road; Wirt County—2 mi. Wirt County line-Wood County line road; Lewis County—6 mi. bit. material, Weston-Lynn; Barbour County—4 mi. bit. or brick; Tucker County—5 mi. cement conc. Parsons-Elkins; Monongalia County—5.5 mi. grading, draining, Cassville-Blackville; Monroe County—7 mi. trafficbound macad. Union-Lindside; Mineral County—1.8 mi. stone base course, Northwestern turnpike; Grant County—7.2 mi. stone base course, Northwestern turnpike; Mason County—supply gravel for 4.5 mi. Gallipolis-Henderson road; Wyoming County—3 mi. grade, drain Swope-Logan County line road; Doddridge County—two 80-ft. conc. arches, 2 sidewalks, West Union Bridge; Mercer County—Spanishburg Schoolhouse bridge, conc. substructure, steel superstructure, 180-ft. through truss, sidewalk; Marshall County—1.5 mi. grading, draining, gravel surface, Round Bottom-Lindsey Ridge road.

W. Va., Huntington—City Comms., Homer L. Yeich, Commr. of Streets, receive bids June 4 to grade, curb and pave Jackson Ave., Eighth to Ninth.

W. Va., Point Pleasant—Mason County plans \$68,000 roads in Hannon Road Dist. See Financial News.

W. Va., Princeton—City considering permanent improvement on 10 streets, including Mercer, Thorn; overhead bridge. See Financial News.

W. Va., Summersville—Nicholas County Court, C. E. Stephenson, Clk., receives bids June 1 for grading, draining and broken stone base on 2 roads: 6.2 mi. Fenwick-Curtin road; 3.4 mi. Curtin-Craigsville road.

W. Va., Summersville—State Road Comn., Charleston, and Nicholas County Court, C. E. Stephenson, Clk., receive bids June 14 for 8 mi. bit. or cement conc. Calvin-Allingdale road.

Contracts Awarded

Ark., Hot Springs—Bd. of Comms., Street Improvement Dist. 113, let contract to Ed B. Mooney Construction Co., \$13,736, to grade, drain, curb and gutter and lay sidewalks on Holly, Poplar St., etc.

Ark., Little Rock—Bd. of Comms., Street Improvement Dist. 499 let contract to Turk Construction Co., 221 Vernon Ave., \$21,450 for paving in Shadowlawn Addition, Pulaski Heights.

Ga., Gainesville—Wallace Construction Co., 101 Marietta St. N. W., Atlanta, has contract to grade road between Dawsonville and Hall County line, Boldings Mill.

Ky., Henderson—State Highway Comn., Frankfort, let contract to W. F. Sanderson & Sons, Owensboro, \$64,484, for 9.6 mi. 8-in. river and bank gravel Ohio River road, Henderson County.

Ky., Lancaster—R. B. Tyler & Co., 114 S. Fourth St., Louisville, have contract to oil and resurface streets; 16,000 gal. oil.

La., New Orleans—City let contract to Michael J. Flynn, \$147,030 to curb and pave S. Galvez St. and Bayou road; to install sub-surface drains, Magnolia Ave.; drainage on North Galvez; pave Washington Ave., etc.

Miss., Bay St. Louis—Hancock County Road Protection Comn., R. C. Engman, Chmn., let contract to Southern Paving Co., Vol. Life Bldg., Chattanooga, Tenn., \$350,804, for 12 mi. road, Bay St. Louis through Clermont Harbor and Lakeshore; 132,600 sq. yd. 7-in. conc. paving, 49,850 lin. ft. combined curb and sidewalk. 4-19

Miss., Bay Springs—Jasper County Bd. of Suprvs., Paulding, let contract to Dave Lightsey for building fill across Tallahatta swamp on Heidelberg and Bay Springs Rd.

Miss., Kosciusko—Attala County Bd. of Suprvs., let contract to Powers & Ricks, Starkville, to hard surface section road between Kosciusko and Vaiden.

Mo., Ferguson, Ind. Branch St. Louis—City, S. G. Case, Clk., let contract to Bangert Bros. Construction Co., Ferguson, for 2657 ft. 6-in. waterbound macad. base course and 2-in. penetration macad. wearing course, trap rock and bit. cement paving on Darst road and Estelle Ave.; \$28,923. 4-19

Mo., Joplin—City let contract to Granite Bituminous Co., 601 McKinney St., \$1.63 per sq. yd. to pave with asphaltic conc. Picher Ave., Seventh to Eighth; to V. E. Koch, \$1.64 per sq. yd. to pave Eighteenth St., Bird to Annie Baxter Ave.

Mo., Lathrop—City let contract to P. P. Young, 4902 St. Joseph St., St. Joseph, \$24,291, for 8528 sq. yd. 6-in. conc. paving. 5-17

Mo., Moberly—City let contract to Lynch-McDonald Construction Co., Moberly, \$7055, to pave Reigel and Burkhart Sts. with rein. conc. 20 ft. wide.

Mo., Neosho—City let contract to Taylor & Allison to pave Hickory St., Jefferson to Wood, and from Wood to Hamilton. 5-17

Mo., Springfield—City, C. A. Dickerson, Clk., let contract to Kaw Paving Co., Topeka, Kan., \$31,297, for 7400 sq. yd. asphaltic conc. paving, Benton Ave., and 7500 sq. yd. Grant Ave. viaducts. 4-26

N. C., Greensboro—City, P. C. Painter, Mgr., let contract to M. B. Sutton, Asheboro, \$5090, for 3500 sq. yd. sidewalk paving.

N. C., Hendersonville—Henderson County Road Bd., A. C. Justus, Sec., let contract to Wilson Construction Co., Rutherfordton, \$57,207, for 3.5 mi. excavation, shoulders and 6-in. conc. slab road, from city limits to entry of Lake Kanuga grounds. 5-3

Oklahoma—State Highway Dept., Oklahoma City, let contracts for 10 roads, and bridges: Alfalfa County—1.6 mi. grading, draining, Alderman, Apple & Miller, Oklahoma City, \$15,848; Craig County—4.48 mi. Vinita, north, S. E. Gray, 2022 Columbus St., Muskogee, \$22,573; Noble County—2.9 mi. Payne County line, north, Carl McCoy, Perry, \$9251; Seminole County—8.9 mi. Pottawatomie County line to Seminole, Taylor & Young Brothers, Blanchard, \$38,349; Hughes County—1.17 mi. Allen, east, Paroah & Co., Henryetta, \$3145; Pontotoc County—13.64 mi. east of Allen to Ada, Paroah Co., \$80,229; Payne County—10.5 mi. Coyle to Perkins, E. R. Hert, Perkins, \$58,002; Alfalfa County—1.6 mi. Cherokee, north, Alderman, Apple & Miller, \$15,848; Payne County—8 mi. Stillwater, south, J. C. Carlisle, Perkins, \$4349; 8 mi. Stillwater, north, A. T. Postlewaite, or Randlett, \$36,920; Washita County—bridge south of Cordell, Boardman Co., Maple and Hawk Sts., Oklahoma City, \$53,099; Seminole County—Pottawatomie County line to Seminole, Stephens County Construction Co., Marlow, \$10,185; Pontotoc County—bridges east of Ada, Boardman Co., Oklahoma City, \$58,254; Beckham County—bridges east of Elk City, Stephens County Construction Co., \$9301; Payne County—between Coyle and Perkins, Theodore Gudgel, Stillwater, \$21,955; Major County—bridges north of Ringgold, E. A. Alderman, Oklahoma City, \$15,001. 5-10

Okl., Oklahoma City—E. M. Fry, Mgr., let contract to M. A. Swatek Co., 519½ W. Main St., for conc. paving Seventeenth St., May Ave. to Drexel Blvd.; widen Tenth St., Western to Ollie Ave.; Western Paving Co., Petroleum Bldg., asphalt paving, Military Ave., Classen Blvd. to Thirtieth St.; widen Ave. C., Robinson to Harvey.

Tex., Corpus Christi—City let contract to Smith Bros., American Natl. Bank Bldg., Dallas, \$116,208, to pave Elliott or Port St.; Sec. 1, Leopard to Broadway; Sec. 2, Broadway to connect with port property, includes fill, bridge and rock. 5-17

Tex., Houston—City, W. A. Moore, Sec., let contract to F. L. Scott to surface 5.5 mi. Morgans Point and Bayridge road; Haden & Austin, 1901 Runnels St., Houston, for 2½ mi. topping, Hardy St. road; Dayton Kelly, for 1 mi. Cypress Rosehill road.

Tex., Houston—City, W. A. Moore, Sec., let contract to A. M. Arnold & Co., 1622 Elder St., \$18,294, to pave Capitol Ave., Louisiana to Bagby St. 5-10

Tex., San Antonio—Fred Fries, City Clk., let contract to Uvalde Rock Asphalt Co., Santa Fe Bldg., \$6633, to pave Marshall St. with 1½-in. cold rock asphalt topping. 5-3

W. Va., Clarksburg—Dr. R. L. Osborne, City Mgr., let contract to Thomas P. Keenan Co., \$42,000, to pave West Pike St. through Point Comfort. 2-2

W. Va., Morgantown—Monongalia County Comms. let contract to Cole Bros. Construction Co., Price Bldg., Morgantown, \$151,705, for 5.1 mi. limestone surface, Cheat Neck Rd.

Sewer Construction

Sewer construction in LAND DEVELOPMENT projects involves the expenditure of large sums of money. Under that classification details of these improvements are reported.

Ala., Birmingham—C. M. Burkholter and Ross & McCormick, both American Traders Bldg., have contract for sewers.

Ala., Decatur—City plans constructing storm water and sanitary sewers.

Dorchester County—2 mi. conc., end of Cont. Wo-43 toward Public Landing, Hannaman-Burroughs Co., Salisbury, \$36,998; Allegany County—1.00 mi. conc. shoulders, Nave's Farm road, National Pike to Bedford road; Braddock road, Cumberland toward Allegany Grove, S. T. Brotemarkle, Cumberland, \$9048; Montgomery County—3 mi. conc. shoulders, Seventh St. pike, Norbeck to Olney, Latimer Maloney, 17th and Holly Sts., N. W., Washington, \$22,454; Somerset County—7.47 mi. conc. shoulders, Westover Junction toward Pocomoke City, Hannaman-Burroughs Co., \$25,232. 5-3

Maryland—State Roads Comm., Baltimore, receives bids June 5 for 8 roads: Montgomery County—1 mi. conc., Claysville toward Olney, Cont. M-67; Harford County—97 mi. conc., Level toward Darlington, Cont. H-65; Dorchester County—1.02 mi. conc., Thomas Corner to Secretary, Cont. D-49; Allegany County—3.28 mi. conc. shoulders and resurfacing, along Bedford road; Naves Cross road toward Penna. State Line, Cont. 258-A; Howard County—1.82 mi. macad. shoulders, along Lawyers Hill road, Washington-Baltimore Blvd. to Montgomery road, Ho-36-A; Harford County—2 mi. conc. shoulders, along Pylesville road, Penna. State Line toward Pylesville, Cont. 105-A; 2.97 mi. conc. shoulders, Swann Creek to Havre de Grace, Cont. H-16-A.

Md., Baltimore—City, Nathan L. Smith, Highways Engr., plans expending \$50,000 to pave Boston St., Fleet and Chester Sts. to Hudson.

Md., Baltimore—Bd. of Estimates approved expending \$70,000 to pave with sheet asphalt present 42-ft. wide roadway, Charles St. Ave., from Cold Spring Lane to Wyndhurst Ave.; plans letting contract to widen Charles St. Ave. 66 to 130 ft., Cold Spring Lane to northern city limits; approved widening, grading, paving 7 streets in various sections; Nathan L. Smith, Highways Engr. 4-26

Md., Baltimore—Dept. of Public Works, Bureau of Highways, Nathan L. Smith, Highways Engr., received low bid from Balto. Asphalt Block & Tile Co., Monroe and Lorman Sts., \$56,697, for 12,950 sq. yd. sheet asphalt, conc. base, paving, Cont. 460. 5-10

Md., Baltimore—Bd. of Awards receives bids May 31 to grade, curb and pave with 15,000 sq. yd. sheet asphalt, conc. base, streets in Cont. 462; Nathan L. Smith, Highways Engr.

Miss., Columbia—City plans receiving bids for \$70,000 paving, Broad St., from High School Ave. east.

Miss., Corinth—Alcorn County plans \$600,000 for roads and bridges; \$400,000, graveling; \$125,000, grading; \$75,000, bridges and culverts. See Financial News.

Miss., Fayette—Jefferson County Bd. of Supvrs., receives bids June 8 for .627 mi. grading and paving Hazlehurst to Natchez Highway.

Miss., Holly Springs—Marshall County Bd. of Supvrs. and Mayor and Bd. of Aldermen, receive bids June 6 to surface State Trunk road, between Holly Springs and Oxford, 121,841 sq. yds. mixing clay and gravel, 7,924 sq. yds. 24-ft. conc. pavement, 3,935 lin. ft. combination conc. curb and gutter.

Miss., Holly Springs—C. B. Smith, City Clk., receives bids June 6 for 7,924 sq. yd. conc. pavement, 393 lin. ft. combination conc. curb and gutter.

Miss., Laurel—Jones County Bd. of Supvrs., considering \$600,000 for roads in Beats 1, 2 and 3, including Jackson Highway and Reddock's Ferry road. See Financial News.

Miss., Natchez—Adams County Bd. of Supvrs., H. B. Vaughan, Pres., receives bids June 5 for building and drainage structures on Anna Road.

Miss., Oxford—Lafayette County Bd. of Supvrs. plan highway from Oxford to Panola County line via College Hill and Hays Crossing on Tallahatchie River; Panola County Bd. of Supvrs. may extend road to Highway 51, near Sardis.

Miss., Pascagoula—Jackson County Bd. of Supvrs., receives bids June 5 for 2.8 mi. Old Spanish Trail between Pascagoula River and Gautier.

Miss., Tylertown—Walthall County plans \$12,000 for roads in Second Dist. See Financial News.

Miss., Winona—Montgomery County Bd. of Supvrs., receives bids June 5 for 4.342 mi. gravel, Winona to Durant Highway.

Missouri—State Highway Comm., Jefferson City, receives bids June 1 for 25 roads and 13 bridges: Gentry County—2.551 and 2.872 mi. 18-ft. gravel, Worth County line south, 6766 cu. yd. paving; Randolph County—3.626 and 3.331 mi. 30-ft. earth, Moberly, east, 77,459 cu. yd. excavation; bridge over creek;

Carroll County—1.158 mi. 30-ft. graded earth, Grand River, west, 65,575 cu. yd. excavation; Carroll-Chariton Counties—bridge over Grand River, three 140-ft. trusses, fourteen 45-ft. deck girders; Chariton County—958 mi. 30-ft. graded earth, Brunswick, west, 21,730 cu. yd. excavation; Pettis County—936 mi. 18-ft. conc. Sedalia, north, 9549 cu. yd. excavation, 9772 sq. yd. paving.

In Platte County—3.758 mi. 9-ft. conc. Platte City, west, 12,258 cu. yd. excavation, 19,957 sq. yd. paving; 911 mi. 18-ft. conc., and 18-ft. gravel, Platte City, north; Boone County—3.365 and 3.385 mi. 18-ft. conc., Columbia-Hinton road, 160,873 cu. yd. excavation, 72,465 sq. yd. paving; bridges over Bear Creek and Rocky Fork; Cole County—2.834, 4.378 and 2.901 mi. 18-ft. conc., Jefferson City, east, 16,766 cu. yd. excavation, 108,886 sq. yd. paving; Crawford County—3.958, 3.941 and .919 mi. 18-ft. conc., Cuba, east, 18,517 cu. yd. excavation, 93,131 sq. yd. paving; Franklin County—repair bridge, road from Washington to Route 66, 22,380 lb. struct. steel; Ste. Genevieve County—2.777 mi. 18-ft. gravel, Bloomsdale, south, 33,344 cu. yd. excavation.

In Dade County—3.008 mi. 30-ft. graded earth, Lockwood-Golden City, 31,685 cu. yd. excavation; bridges over Dry Branch and creek; Jasper County—1.413 mi. 30-ft. graded earth, Carthage, north, 58,548 cu. yd. excavation; bridges over Overflow Spring River, Missouri Pacific R. R., etc.; Dent County—4.744 mi. 30-ft. graded earth, Salem, north, 42,048 cu. yd. excavation; Bollinger County—2.803 mi. 18-ft. gravel, Dongola, north; Butler County—4.833 mi. 9-ft. conc. and 4-ft. gravel, 3,762 mi. 9-ft. conc. 4-ft. gravel, 18 ft. gravel, Poplar Bluff-Campbell, 13,333 cu. ft. gravel, 25,349 sq. yd. paving, 8691 cu. yd. paving; Cape Girardeau County—582 mi. 30-ft. graded earth, Cape Girardeau, south, 71,617 cu. yd. excavation; bridges over Little Ramsey Creek and Frisco R. R.

Mo., Joplin—City Council may receive bids soon to pave Wall St., with 36-ft. wide conc. slab, squeegee asphalt top, Tenth to Twenty-first St., \$34,000. 5-3

Mo., Joplin—City considering paving Eighth St., Joplin to alley between Byers and Moffett Ave.; plans receiving bids for conc. sidewalks on Pearl and Murphy Ave.; S. B. Ashcraft, Engr.

Mo., Clayton—St. Louis County plans \$10,000,000 roads. See Financial News.

Mo., Ferguson, Ind. Branch St. Louis—City, S. G. Case, Clk., plans \$25,000 street improvement. See Financial News.

Mo., Palmyra—Marion County Court receives bids May 28 for gravel road from Warren to Shelby County line.

Mo., Springfield—City, C. A. Dickerson, Clk., probably lay 9-ft. cement walk, Roberson Ave., Olive to Missouri Pacific right of way; conc. pave and curb St. Louis St., Delaware Ave. to Glenstone road.

Mo., St. Joseph—City plans resurfacing N. Twenty-second with 2-in. asphaltic conc. on present, Moss to Highland; 6-in. conc. base, 2-in. asphaltic conc. top, Highland to point south of Boyd.

Mo., St. Joseph—Bd. of Public Works considering repaving Frederick Blvd., Noyes Blvd. to State Hospital; install sewers.

Mo., St. Joseph—Bd. of Public Works plans paving Hyde Park Ave., South Seventh St. to Noyes Ave.; received low bid from Judson Engineering and Construction Co., 1811 Faraon St., to pave Eleventh St., Randolph to Green; Land Construction Co., Kirkpatrick Bldg., to resurface Renick St., Twenty-seventh to Twenty-eighth.

Mo., St. Louis—Bd. of Public Service received low bids, \$136,440, for paving 11 streets: Frank A. Stiers, Garrison and Magazine Sts.; Alfred Lewald, Inc., 6025 Cabanne St.

Mo., St. Louis—Bd. of Public Service receives bids June 5 to improve Hodiamont Ave.; rebuild Franklin Ave., Third to Ninth, Ninth to High.

N. C., Asheville—City, L. B. Rogers, Commr., plans resurfacing Merriman Ave. and Charlotte St.; widen Davidson St.; widen Patton Ave.; pave Marjorie St.; will sell bonds.

N. C., Fayetteville—Mayor and Bd. of Aldermen, H. J. Buie, City Clk., receive bids May 31 for 14,620 sq. yds. standard pavement, 10,382 lin. ft. combined cement conc. curb and gutter, grading, excavation, manholes, sewers, etc.; Thomas D. Rose, Engr.

Okla., Edmond—City plans 12,100 sq. yd. grading, conc. paving, Dist. 10, \$38,477; F. H. Peckham, Engr., Oklahoma City.

Okla., Elk City—City receives bids soon for 11,510 sq. yd. 6-in. conc. paving, \$42,000; Benham Engineering Co., 512 Gunbel Bldg., Kansas City, Mo.

Okla., Oklahoma City—City, E. M. Fry, Mgr., plans paving 14 streets and avenues, including Seventeenth St. and Stiles Ave., in 2 districts.

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Tenn., Memphis—City plans expending \$132,405 to improve 8 avenues and alley; W. Fowler, Engr.

Tenn., Memphis—City, Mayor Overton, plans expending \$33,597, to improve Thomas Ave.

Tenn., Nashville—Davidson County Highway Comm., Finley M. Dorris, Chmn., receives bids June 6 for road from Gallatin pike, via Cumberland River Bridge to Old Hickory.

Tenn., Nashville—Davidson County Highway Comm., Finley M. Dorris, Chmn., receives bids June 6 to grade, drain and pave Projects AB and AF.

Tenn., Paris—City, E. M. Culley, Mayor, plans 20,000 lin. ft. conc. curb and gutter, \$25,000.

Tenn., Summersville—Nicholas County and State Highway Comm., Columbia, receive bids June 12 for 6 mi. vit. or conc. cement paving, Calvin-Aillingdale road.

Tenn., Tazewell—Highway Commr., Harry S. Perry, Nashville, authorized expenditure of \$15,000 for 4 mi. road, between "Y" State Highway 32, Claiborne County, and Lone Mountain.

Tex., Albany—Shackelford County plans expending \$300,000 to complete link in Bankhead Highway, from point west of Albany to Taylor County line; complete Highway 23; completing hard surface roads from county line to county line in each direction from county seat; sold bonds. 5-10

Tex., Anson—Jones County, Owen Thomas, Judge, plans \$25,000 roads. See Financial News.

Tex., Brownsville—Cameron County Commr., Court may receive bids June 14 for 6 or 7 mi. paving on Santa Maria road, San Benito Precinct; Landrum's to Los Indios; Pennsylvania Ave. M road, Highway 12 to San Jose; road from El Fresnal to East Browne Tract road; Precinct 1: Parades Line road, Freshos tract; Precinct 4, Harlingen territory; Combes to Hidalgo County line via Santa Rosa; Briggs-Coleman road; road north of Harlingen. 5-17

Tex., Corpus Christi—City Council allotted \$75,000 to widen Leopard, Staples and Chaparral St.; plans paving 7 streets, including Nineteenth, Mann.

Tex., Cuero—W. L. Ferguson, Chmn., Road Committee, Chamber of Commerce, plans im-

proving and widening Highway 29 near Cuero; preparing plans to widen Highway 29, Cuero to Gonzales County line; straighten Yoakum highway, eliminate grade crossing.

Tex., Denton—City plans 2-in. asphaltic conc. surface, East Hickory St., Court square to T. & P. station.

Tex., Eastland—Eastland County, E. S. Pritchard, Judge, plans conc. curb on Highways 23 and 67; grade separation on T. & P. Ry. crossing west of Cisco, \$250,000; A. P. Rollins, Engr.

Tex., Edinburg—Hidalgo County, Pharr-San Juan Dist., plans \$1,500,000 roads. See Financial News.

Tex., El Campo—City plans \$75,000 for street paving in business section, etc. See Financial News.

Tex., El Paso—El Paso County, Fred Wilson, County Engr., prepared plans for 12½ mi. grading, structures, paving, Bankhead Highway, El Paso County line to McNary; 20 mi. grading, structures, caliche base, gravel top, Carlsbad road.

Tex., El Paso—El Paso County, E. B. McClintock, Judge, plans 20 mi. grading, bridges, caliche and gravel surface, Highway 130 east from El Paso, \$150,000.

Tex., Fort Worth—Tarrant County Comms. plan expending \$4,423,000 to improve roads, including Fort Worth-Dallas, Camp Bowie Blvd., Keller cardinal road, Jackboro route; plan \$497,000 for 14 bridges for lateral roads. See Financial News.

Tex., Houston—City, W. A. Moore, Sec., considering improving Airline Drive, N. Main St. to northern city limits; J. C. McVea, City Engr., preparing plans.

Tex., Houston—Harris County, H. L. Washburn, County Auditor, receives bids June 4 to resurface and surface treat Belaire Blvd. and Richmond road.

Tex., Houston—City, W. A. Moore, Sec., considering plans to pave McGregor Way, Alameda road to Riverside Drive; J. C. McVea, City Engr.

Tex., Johnson City—Blanco County plans 16-mi. road from Johnson City to county line.

Tex., Longview—City, B. N. Taylor, Mgr., plans street paving.

Tex., Luling—City plans \$10,000 street paving. See Financial News.

Tex., Newton—Newton County considering building Highway 45 through county. See Financial News.

Tex., Palestine—Anderson County, E. H. Shelton, Judge, and Navarro County, Norman Hicks, Judge, considering extension of Tennessee Colony road, for continuous highway through Corsicana to Dallas.

Tex., San Antonio—See Land Development.

Tex., San Antonio—City, Fred Fries, Clk., plans widening Main Ave., Lakeview Ave. to Rodriguez St.

Tex., San Antonio—City, Fred Fries, Clk., plans paving North St. Mary's St. from bridge across San Antonio River to Camden St.

Tex., San Antonio—C. M. Chambers, Mayor, receives bids May 28 to improve North St. Mary's St. to Camden St.; I. Rwig, City Engr.

Tex., Waxahachie—Ellis County plans \$250,000 to pave Federal Highway 75 through Ferris Precinct; build 20 mi. rock base, graded lateral roads. See Financial News.

Virginia—State Highway Comm., Richmond, plans resurfacing 200 mi. roads in next few months: Route 10, from Strickleyville through Pennington's Gap to Jonesville, then to Wheeler Station, Lee County; tar treat State Route 11, Coeburn to St. Paul, then to Lebanon; Lebanon to Wardwell, Tazewell County, etc.

Va., Hillsville—Carroll County plans feeder road in 3 districts; Pipers Gap and Fancy Gap, \$75,000; Laurel Fork, \$90,000; will sell bonds.

Va., Lynchburg—City, R. W. B. Hart, Mgr., plans expending \$115,000 to repave Rivermont Ave.

Va., Norfolk—City, I. Walke Truxtun, Mgr., plans expending \$30,000 toward paving Waterworks road, pumping station to Lake Smith; total cost \$90,000. 5-17

Va., Richmond—R. Keith Compton, Dir. of Public Works, plans grading, curbing and guttering Avondale and Bellevue Ave.

Va., Richmond—City, R. Keith Compton, Dir. of Public Works, considering \$15,000 for curb and gutter, Seminary Ave., Brookland Blvd. to Lombardy; \$125,000 for sewers in Noble Ave.

West Virginia—State Road Comm., Charleston, receives bids June 12 for 13 roads, 2

bridges: Hancock County—3 mi. Chester, Pa., line road, and 4 mi. Wierton-Pennsylvania line road, cement, conc. or brick; Jackson County—2 mi. grading, draining Providence Chapel-Wirt County line road; Wirt County—2 mi. Wirt County line-Wood County line road; Lewis County—6 mi. bit. material, Weston-Lynn; Barbour County—4 mi. bit. or brick; Tucker County—5 mi. cement conc. Parsons-Elkins; Monongalia County—5.5 mi. grading, draining, Cassville-Blackville; Monroe County—7 mi. trafficbound macad. Union-Lindside; Mineral County—1.8 mi. stone base course, Northwestern turnpike; Grant County—7.2 mi. stone base course, Northwestern turnpike; Mason County—supply gravel for 4.5 mi. Gallipolis-Henderson road; Wyoming County—3 mi. grade, drain Swope-Logan County line road; Doddridge County—two 80-ft. conc. arches, 2 sidewalks, West Union Bridge; Mercer County—Spanishburg Schoolhouse bridge, conc. substructure, steel superstructure, 180-ft. through truss, sidewalk; Marshall County—1.5 mi. grading, draining, gravel surface, Round Bottom-Lindsey Ridge road.

W. Va., Huntington—City Comms., Homer L. Yeich, Commr. of Streets, receive bids June 4 to grade, curb and pave Jackson Ave., Eighth to Ninth.

W. Va., Point Pleasant—Mason County plans \$68,000 roads in Hannon Road Dist. See Financial News.

W. Va., Princeton—City considering permanent improvement on 10 streets, including Mercer, Thorn; overhead bridge. See Financial News.

W. Va., Summersville—Nicholas County Court, C. E. Stephenson, Clk., receives bids June 1 for grading, draining and broken stone base on 2 roads: 6.2 mi. Fenwick-Curtin road; 3.4 mi. Curtin-Craigsville road.

W. Va., Summersville—State Road Comm., Charleston, and Nicholas County Court, C. E. Stephenson, Clk., receive bids June 14 for 8 mi. bit. or cement conc. Calvin-Allingdale road.

Contracts Awarded

Ark., Hot Springs—Bd. of Comms., Street Improvement Dist. 113, let contract to Ed B. Mooney Construction Co., \$13,736, to grade, drain, curb and gutter and lay sidewalks on Holly, Poplar St., etc.

Ark., Little Rock—Bd. of Comms., Street Improvement Dist. 499 let contract to Turk Construction Co., 221 Vernon Ave., \$21,450 for paving in Shadowlawn Addition, Pulaski Heights.

Ga., Gainesville—Wallace Construction Co., 101 Marietta St. N. W., Atlanta, has contract to grade road between Dawsonville and Hall County line, Boldings Mill.

Ky., Henderson—State Highway Comm., Frankfort, let contract to W. F. Sanderson & Sons, Owensboro, \$64,484, for 9.6 mi. 8-in. river and bank gravel Ohio River road, Henderson County.

Ky., Lancaster—R. B. Tyler & Co., 114 S. Fourth St., Louisville, have contract to oil and resurface streets; 16,000 gal. oil.

La., New Orleans—City let contract to Michael J. Flynn, \$147,030 to curb and pave S. Galvez St. and Bayou road; to install subsurface drains, Magnolia Ave.; drainage on North Galvez; pave Washington Ave., etc.

Miss., Bay St. Louis—Hancock County Road Protection Comm., R. C. Engman, Chmn., let contract to Southern Paving Co., Vol. Life Bldg., Chattanooga, Tenn., \$350,804, for 12 mi. road, Bay St. Louis through Clermont Harbor and Lakeshore; 132,600 sq. yd. 7-in. conc. paving, 49,850 lin. ft. combined curb and sidewalk. 4-19

Miss., Bay Springs—Jasper County Bd. of Suprvs., Paulding, let contract to Dave Lightsey for building fill across Tallahattia swamp on Heidelberg and Bay Springs Rd.

Miss., Kosciusko—Attala County Bd. of Suprvs. let contract to Powers & Ricks, Starkville, to hard surface section road between Kosciusko and Vaiden.

Mo., Ferguson, Ind. Branch St. Louis—City, S. G. Case, Clk., let contract to Bangert Bros. Construction Co., Ferguson, for 2657 ft. 6-in. waterbound macad. base course and 2-in. penetration macad. wearing course, trap rock and bit. cement paving on Darst road and Estelle Ave.; \$28,923. 4-19

Mo., Joplin—City let contract to Granite Bituminous Co., 601 McKinnely St., \$1.63 per sq. yd. to pave with asphaltic conc. Picher Ave., Seventh to Eighth; to V. E. Koch, \$1.64 per sq. yd. to pave Eighteenth St., Bird to Annie Baxter Ave.

Mo., Lathrop—City let contract to P. P. Young, 4902 St. Joseph St., St. Joseph, \$24,291, for 8528 sq. yd. 6-in. conc. paving. 5-17

Mo., Moberly—City let contract to Lynch-McDonald Construction Co., Moberly, \$7055, to pave Reigel and Burkhart Sts. with rein. conc. 20 ft. wide.

Mo., Neosho—City let contract to Taylor & Allison to pave Hickory St., Jefferson to Wood, and from Wood to Hamilton. 5-17

Mo., Springfield—City, C. A. Dickerson, Clk., let contract to Kaw Paving Co., Topeka, Kan., \$31,297, for 7400 sq. yd. asphaltic conc. paving, Benton Ave., and 7500 sq. yd. Grant Ave. viaducts. 4-26

N. C., Greensboro—City, P. C. Painter, Mgr., let contract to M. B. Sutton, Asheboro, \$5090, for 3500 sq. yd. sidewalk paving.

N. C., Hendersonville—Henderson County Road Bd., A. C. Justus, Sec., let contract to Wilson Construction Co., Rutherfordton, \$57,207, for 3.5 mi. excavation, shoulders and 6-in. conc. slab road, from city limits to entry of Lake Kanuga grounds. 5-3

Oklahoma—State Highway Dept., Oklahoma City, let contracts for 10 roads, and bridges: Alfalfa County—1.6 mi. grading, draining, Alderman, Apple & Miller, Oklahoma City, \$15,848; Craig County—4.48 mi., Vinita, north, S. E. Gray, 2022 Columbus St., Muskogee, \$22,573; Noble County—2.9 mi., Payne County line, north, Carl McCoy, Perry, \$9251; Seminole County—8.9 mi. Pottawatomie County line to Seminole, Taylor & Young Brothers, Blanchard, \$38,349; Hughes County—1.17 mi. Allen, east, Paroah & Co., Henryetta, \$3145; Pontotoc County—13.64 mi. east of Allen to Ada, Paroah Co., \$80,229; Payne County—10.5 mi. Coyle to Perkins, E. R. Hert, Perkins, \$58,602; Alfalfa County—1.6 mi. Cherokee, north, Alderman, Apple & Miller, \$15,848; Payne County—8 mi. Stillwater, south, J. C. Carlisle, Perkins, \$4349; 8 mi. Stillwater, north, A. T. Postlewaite, or Randlett, \$36,920; Washita County—bridge south of Cordell, Boardman Co., Maple and Hawk Sts., Oklahoma City, \$53,009; Seminole County—Pottawatomie County line to Seminole, Stephens County Construction Co., Marlow, \$10,185; Pontotoc County—bridges east of Ada, Boardman Co., Oklahoma City, \$38,254; Beckham County—bridges east of Elk City, Stephens County Construction Co., \$9301; Payne County—between Coyle and Perkins, Theodore Gudgel, Stillwater, \$21,955; Major County—bridges north of Ringgold, E. A. Alderman, Oklahoma City, \$15,001.

Okl., Oklahoma City—E. M. Fry, Mgr., let contract to M. A. Swatek Co., 519½ W. Main St., for conc. paving Seventeenth St., May Ave. to Drexel Blvd.; widen Tenth St., Western to Ollie Ave.; Western Paving Co., Petroleum Bldg., asphalt paving, Military Ave., Classen Blvd. to Thirtieth St.; widen Ave. C., Robinson to Harvey.

Tex., Corpus Christi—City let contract to Smith Bros., American Natl. Bank Bldg., Dallas, \$116,208, to pave Elliott or Port St.; Sec. 1, Leopard to Broadway; Sec. 2, Broadway to connect with port property, includes fill, bridge and rock. 5-17

Tex., Houston—City, W. A. Moore, Sec., let contract to F. L. Scott to surface 5.5 mi. Morgans Point and Bayridge road; Haden & Austin, 1901 Runnels St., Houston, for 2½ mi. topping, Hardy St. road; Dayton Kelly, for 1 mi. Cypress Rosehill road.

Tex., Houston—City, W. A. Moore, Sec., let contract to A. M. Arnold & Co., 1622 Elder St., \$18,294, to pave Capitol Ave., Louisiana to Bagby St. 5-10

Tex., San Antonio—Fred Fries, City Clk., let contract to Uvalde Rock Asphalt Co., Santa Fe Bldg., \$6633, to pave Marshall St. with 1½-in. cold rock asphalt topping. 5-3

W. Va., Clarksburg—Dr. R. L. Osborne, City Mgr., let contract to Thomas P. Keenan Co., \$42,000, to pave West Pike St. through Point Comfort. 2-2

W. Va., Morgantown—Monongalia County Comms. let contract to Cole Bros. Construction Co., Price Bldg., Morgantown, \$151,705, for 5.1 mi. limestone surface, Cheat Neck Rd.

Sewer Construction

Sewer construction in LAND DEVELOPMENT projects involves the expenditure of large sums of money. Under that classification details of these improvements are reported.

Ala., Birmingham—C. M. Burkholter and Ross & McCormick, both American Traders Bldg., have contract for sewers.

Ala., Decatur—City plans constructing storm water and sanitary sewers.

Ark., Little Rock—L. L. McEachin, Home Ins. Bldg., has contract for sewers in Shadowlawn Addition in Pulaski Heights.

Ark., Lonoke—See Water Works.

Ark., Mulberry—See Water Works.

Ark., West Helena, Ind. Branch Helena—Hogan Construction Co., Exchange Bldg., Memphis, Tenn., has contract for sewers.

D. C., Washington—W. F. Brenizer Co., 101 New York Ave., N. E.; M. Cain Co., Inc., 13 Sixth St., N. E., and Jas. A. Forbes Co., Inc., 5401 Seventh St., N. W., low bidders for sewers. 5-3

Ga., Nahunta—City votes June 13 on sewer bonds. See Financial News.

Ky., Richmond—City has plans for sewage disposal plant; will soon call for bids; \$60,000 available. 12-8

La., Opelousas—City receives bids June 5 for sewers. See Want Section—Bids Asked.

Md., Salisbury—City plans installing storm and sanitary sewers; F. H. Dryden, City Engr.

Miss., Hazlehurst—City plans sewer system on Georgetown St.; install septic tank.

Miss., Port Gibson—Town receives bids June 6 for sewer. See Want Section—Bids Asked.

Mo., California—See Water Works.

Mo., Jefferson City—City receives bids June 4 for sewers in District Nos. 40 and 35. See Want Section—Bids Asked.

Mo., St. Joseph—See Roads, Streets, Paving.

N. C., Fayetteville—See Roads, Streets, Paving.

N. C., Pittsboro—See Water Works.

Okla., Altus—City plans outfall sewer and sewage disposal plant; Peckham & Riggins, Engrs., 225½ W. Grand St., Oklahoma City.

Okla., Anadarko—City plans sanitary sewers in Dist. No. 9; R. O. Bradley, Engr., Chickasha.

Okla., Boise City—City plans sewer system and disposal plant; J. C. Milliken, Engr., Continental Bldg., Oklahoma City.

Okla., Enid—City has preliminary plans for sewers in Wilson Park addition; F. C. Magruder, Engr.

Okla., Oklahoma City—City soon call for bids for sanitary sewer, Delmar Garden and Linwood Place addition.

Okla., Snyder—City rejected bids for outfall sewers and sewage disposal plant.

S. C., Belton—See Roads, Streets, Paving.

Tenn., Morristown—Town receives bids June 5 for sewer extension and disposal plant. See Want Section—Bids Asked.

Tenn., Selmer—See Water Works.

Tex., Amarillo—Bent Concrete Co. of Texas, Amarillo, has contract at \$16,332 for 12 in. sanitary sewer pipe in S. Amarillo; Dodson & Humphrey contract for work at \$35,030.

Tex., Beeville—City will construct 400-ft. extension to sanitary sewers on S. Washington St.

Tex., Bronte—City, H. T. Wilkins, Mayor, considering establishment of sewer system, either private or municipally owned.

Tex., Houston—City receives bids June 6 for sewers. See Want Section—Bids Asked.

Tex., Longview—City plans sewer bond issue. See Financial News.

Tex., Mount Vernon—See Water Works.

Tex., San Antonio—City Comn. will soon call for bids for sanitary sewer in Palm Heights.

Tex., San Saba—City receives bids soon for sewers and sewage treatment plant; Montgomery & Ward, Engrs., Harvey-Snyder Bldg., Wichita Falls.

Tex., Weslaco—City plans erecting sewage disposal plant.

Va., Kenbridge—See Water Works.

Va., Richmond—City, R. Keith Compton, Dir. of Public Works, plans receiving bids for 6 streets in West End; 6 streets in East End; 4 streets in Southside.

Va., Richmond—See Roads, Streets, Paving.

W. Va., Huntington—City Commrs. soon receive bids for storm relief and overflow relief sewers on Third St., Seventh St. and Second St.

Telephone Systems

Ky., Berea—J. P. Longon and associates, Memphis, Tenn., acquired Berea Telephone Co.

La., New Orleans—Harry Bros. Co. of La., 3505 S. Carr St., has contract for erecting steel tower for radio station atop Hotel De Soto; New Orleans Daily States and

Chatt Radio Co., 356 Baronne St., interested. N. C., Asheville—Southern Bell Telephone and Telegraph Co., Atlanta, Ga., install telephone cable in West Asheville; \$125,000.

Texas—Mid-Continent Telephone Co. of Wisconsin has acquired 8 telephone companies in Arkansas, Texas, Illinois and Wisconsin; includes Arkansas Telephone Co., operating lines in Columbia County and Southwest Arkansas Telephone Co., operating in Nevada and Hempstead Counties; Dipping Springs Telephone Co., Dipping Springs, Tex.; Willow City Telephone Co., Willow City; Texas Eastern Telephone Co., which operates 21 exchanges in Eastern Texas; Arkansas Railroad Comm., Little Rock, Ark., authorized Mid-Continent Telephone Co. to issue \$1,000,000 of first mortgage 5½% collateral trust bonds, \$500,000 of cumulative preferred stock and 15,000 shares of common stock without nominal par value.

Tex., Lampasas—Southern Bell Telephone & Telegraph Co., Atlanta, Ga., remodel building.

Textile Mills

Alabama—Union Mills, Inc., 377 Broadway, New York (plants at Catskill, Herkimer, Hudson, Mechanicsville and Johnsonville), reported, remove 8 plants to Alabama, with headquarters at Mobile for selling organization; transferred equipment will include 2 complete paper box plants, 15 sweater machines, 125 sweater machines, 880 knitting machines, 1061 sewing machines, 51 wool cards and 12,540 wool spindles; are inviting proposals from Alabama towns for various locations.

Alabama—F. H. Filley, Pres., American Mfg. Co. (Manufacturers Rope, Twine, Packing and Oakum), Noble and West St., Brooklyn, N. Y., advises The Saratoga Victory Mills, Inc., a new corporation, will establish a 15,000 spindle mill with about 500 looms in Guntersville, Ala., and similar plant in Albertville, Ala.; Robert & Co., Inc., Engr., Atlanta, Ga.

Ala., Selma—Chamber of Commerce, J. A. Fuller, Harry Marling, negotiating with New York company that may locate textile mill here.

Ga., High Shoals—High Shoals Mfg. Co. will probably rebuild 2 mill buildings, burned at loss of \$350,000.

Ga., Woodland—Woodland Hosiery Mills, incorporated; C. W. Matthews, M. H. King; will install machinery for manufacture men's silk and rayon hose, in temporary building; later plan erecting permanent plant.

La., Lafayette—Chamber of Commerce interested in having textile mill locate in city.

N. C., Belmont—Stowe Thread Co. opens bids May 24 for \$60,000 mill; among contractors estimating are: T. C. Thompson & Bros., 609 N. Smith St.; J. A. Gardner, Southeastern Const. Co., 210 W. Second St.; B. W. Bartholomew, Piedmont Bldg., all Charlotte; Gaston Const. Co., W. Airline St.; Brown Harry Co., E. Main St., both Gastonia; W. O. Pratt, Mt. Holly; Gallivan Bldg. Co., Gallivan Bldg., Greenville, S. C. 3-17

N. C., Charlotte—Morehead Woolen Mills Co., incorporated; John L. Morehead, 121 Ransom Place.

N. C., Lexington—W. Lee Harbin Construction Co. has contract for plant for Mountcastle Knitting Co.; 50x140 ft., 2 story with basement 50x70 ft., dye house, 20x40 ft., boiler house, 20x30 ft.; steel beams and columns with steel sash with underwriters label; Carolina Steel and Iron Co., Greensboro, for steel and steel sash, glass; Hood Brick Co., Charlotte, for furnishing brick; C. M. Thompson Sons, Lexington, for all lumber.

N. C., Oxford—J. J. Redyke, 322 Lincoln Ave., Clearwater, Fla., secured Delaware charter for Southern Silk Yarns Corp., capital \$500,000; manufacture all kinds silk yarns for hosiery, knit goods and weaving trade; will give out plans and specifications this week for first unit to be built at Oxford; unit will be operated on high quality hosiery yarns with capacity about 2000 lbs. weekly, probably be known as Oxford Silk Yarns Co., and will be a subsidiary of Southern Silk Yarns Corp.; will erect 4 of these units in different locations in North Carolina, not yet selected.

Tenn., Kingsport—Rex-Tex Hosiery Mills, organized with W. F. Hedges, Pres., Victor R. Beck, V. P.; manufacture men's fancy hose; are installing 24 machines; later plan additional installation of 24; production 1000 doz. pr. hose daily.

Va., Max Meadows—Hunderdon Silk Throwing Co., Glen Gardner, N. J., establish silk plant.

Water Works

Ala., Montgomery—State Bd. of Adminis-

tration let contract to Chattanooga Boiler & Tank Co., 1011 E. Main St., Chattanooga, Tenn., for 50,000 gal. steel water tank on 60-ft. tower and 10,000 gal. steel oil tank for installation at State prison farm near Atmore.

Ark., Risen—Arkansas Power and Light Co., Pine Bluff, plans repair to present tank or construction new tank.

Ark., Lonoke—City has preliminary survey for water works and sewers; W. Terry Field, Engr., Gazette Bldg., Little Rock. 5-3

Ark., Mulberry—City plans water works and sewage disposal plant; Dickinson & White, Engr., 610 Boyle Bldg., Little Rock.

Fla., Clearwater—Layne Southeastern Co., 1st Natl. Bank Bldg., St. Petersburg, has contract for drilling 2 wells, for city water supply.

Fla., Floranada—City, J. D. Hawkins, Mayor, plans installing pressure tank 5000 to 10,000 gal., pump and motor.

La., Collinston—Village receives bids June 12 for water works improvements. See Want Section—Bids Asked.

La., Mansfield—Town voted \$15,000 water bonds.

Md., Easton—Utilities Comsn., rejected all bids for conc. reservoir and water works. 4-26

Miss., Eupora—City voted \$10,000 bonds for filtration plant.

Mo., Bismark—City plans water improvements, may vote on bonds; Russell & Axon, Const. Engrs., 1945 Ry. Exch. Bldg., St. Louis.

Mo., California—City plans water and sewer extensions; may vote on bonds; Russell & Axon, Const. Engrs., 408 McDaniel Bldg., Springfield.

Mo., St. Louis—Leonard A. Day, Water Comsn., submitted to Bd. of Estimates and Apportionment plans for constructing shore intake tower at Chain of Rocks plant.

Mo., St. Louis—Urbauer-Atwood Co., 1452 S. 2d St., has contract at \$109,380 for piping and auxiliaries for Missouri River water works at Howard Bend.

Mo., St. Louis—Bd. of Public Service receives bids June 5 for pneumatic conveying system in coagulant house, for Missouri River water works at Howard Bend.

N. C., Charlotte—City, W. E. Vest, Supt., Water Dept., will lay lateral lines; provide water for fire protection.

N. C., Pittsboro—Town voted \$50,000 water and sewer bonds; J. B. McCrary Engineering Corp., Engrs., Atlanta, Ga.

Okla., Camargo—City plans water works; R. E. Whitbeck, Engr., 1200 W. 32d St., Oklahoma City.

Okla., Guthrie—City having surveys made for water works.

Okla., Guymon—City having preliminary plans prepared for water well supply, pumping equipment, etc.

Okla., Oklahoma City—Green-Boots Construction Co., 519½ W. Main St., low bidder at \$575,660 for conduit line, 54-in. conc. pipe with Tellyer joints. Sherman Machine and Iron Works, 18 E. Main St., has contract at \$7769 for c. i. pipe for water dept. 5-3

Okla., Pearson, P. O. Asher—E. W. Gannt, 1116 W. Main St., Oklahoma City, reported, engineers for water works.

Okla., Tribbey—City plans water works system.

Tenn., Kingsport—City, Frank L. Cloud, Mgr., receives bids June 26 for water works; \$350,000 bonds available; Wiedeman & Singleton, Const. Engrs., Candler Bldg., Atlanta, Ga. 5-17

Tenn., Selmer—City votes June 13 on \$70,000 water and sewer bonds.

Tex., Abilene—City let contract to National Water Purification Co., Lufkin, for purification plant.

Tex., Dalworth Park—City plans voting on bonds for water mains and fire plugs extension, will acquire private water system; may also acquire sewer system; T. J. Ferguson, Mayor.

Tex., Fort Worth—Tarrant County Water Improvement District No. 1 has \$6,500,000 available for purpose of flood control, water supply and irrigation; Eagle Mountain dam will be located near city on West Fork of Trinity River, impound 210,000 acre ft. water for permanent use and 420,000 acre ft. for flood control; Bridgeport Lake will be located 50 mi. from city on West Fork of Trinity River, impound 290,000 acre ft. water for permanent use and 580,000 acre ft. for flood storage; propose to ultimately irrigate 50,000 acres land; plans in progress and will be completed about July 1; earth dams will contain 5,000,000 yds.; also construct conduits, flood gates, shaft spillway and other appurtenances; Hawley & Freese, Const. Engrs., 411 Capps Bldg., Fort Worth.

Tex., Littlefield—City will install 100,000 gal. water storage tank. 3-22

Tex., Mount Vernon—City voted \$60,000 water and sewer bonds. 4-12

Tex., Palestine—City Sec. advises will not vote on May 29 on \$42,000 water bonds as lately incorrectly noted. 5-17

Tex., San Antonio—Alamo Iron Works, 130 Santa Clara St., has contract for \$50,000 water works plant at Alamo Heights; construct 100,000-gal. metal reservoir, dig 600-ft. well, lay 3 mi. of 6-in. water mains.

Tex., Taylor—City having plans completed for water system and soon call for bids for work. 5-17

Tex., Weslaco—W. E. Anderson, San Benito, has contract to design and supervise construction filtration plant.

Va., Kenbridge—Town plans voting on \$90,000 water and sewer bonds; J. B. McCrary Engineering Corp., Engrs., Atlanta, Ga.

Va., Pulaski—City will lay 3 miles of 12-in. water pipe line connecting city with reservoir.

W. Va., Benwood, Br. Wheeling—City plans \$200,000 water works plant, may vote on bonds.

Woodworking Plants

La. New Orleans—Bender-Weise Cabinet & Mill Works, Inc., capital \$50,000, chartered; John C. Hollingsworth, Maritime Bldg.

Md., Baltimore—Furniture—Union Bros., 37 W. Cross St., erect 3 buildings, each 50 x 424 ft., 1 story, brick, conc. floors; install woodworking machinery; Benjamin Frank, Archt., 517 N. Charles St.

S. C., Denmark—Robt. Tant and T. J. Price plans erecting crate factory.

Tex., Houston—Furniture—Myers Spalti Mfg. Co., 2115 Runnels St., erect \$135,000 building; 5 stories and basement, rein. conc., brick, tile.

FIRE DAMAGE

Ala., Cullman—Farmers and Merchants Warehouse Co.'s building.

Ala., Mobile—Southern Pine and Hardwood Lumber Co.'s plant, Telegraph Rd., and A. S. McDonald Shingle Mill Co.'s plant, Three Mile Creek; loss \$100,000.

Ga., High Shoals—High Shoals Mfg. Co.'s two main buildings; loss \$350,000.

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Ga., Augusta—Ancient Free and Accepted Masons call for bids about 3 weeks to remodel temple; \$20,000; Scroggs & Ewing, Archts., S. F. C. Bldg. 4-5

La., Alexandria—Knights of Columbus receive bids June 5 (extended date) at office W. F. Chapman, Pres., Columbian Catholic Assn., for hollow tile, brick and stucco lodge bldg., Beauregard St.; 2 stories, comp. shingle and tile roof; Wm. R. Burk, Archt., Balter Bldg., New Orleans. 5-17

Md., Baltimore—Young Men's Hebrew Assn. receives bids May 29 for bldg., Monument and Eutaw Sts. and Druid Hill Aves.; \$500,000; Jos. Evans Sperry, Archt., Calvert Bldg., Baltimore; Frank E. Hahn, Conslt. Archt. 629 Chestnut St. Philadelphia, Pa.; following contractors estimating: Consolidated Engineering Co., 20 E. Franklin St.; Frairie Bros. & Haigley, 19 W. Franklin St.; Morrow Bros., Inc., Fidelity Bldg.; Benj. F. Bennett Building Co., 123 S. Howard St.; Chas. L. Stockhausen Co., Gay and Water Sts.; Cogswell-Koether Co., 406 Park Ave.; Price Construction Co., Maryland Tr. Bldg.; L. L. Chambers, Inc., 36th St. and Roland Ave.; J. L. Robinson Construction Co., 532 Park Ave.; M. A. Long Co., 10 W. Chase St., all Baltimore; Geo. A. Fuller Co., Munsey Bldg., Washington, D. C.; Kober Construction Co., Fifth St. and Nedro Ave., Philadelphia Pa. 1-27-27

Miss., Kosciusko—Ancient Free and Accepted Masons plan temple.

Ky., Covington—Unoccupied dwelling owned by W. V. Mills, Ryland, 15 miles from Covington; loss \$12,000.

Ky., Harrodsburg—Mercer County courthouse; loss \$50,000. Address County Com-mrs.

Ky., Mount Sterling—J. W. Hoskins' residence.

Ky., Richmond—Barn on Duncannon Lane, owned by B. F. Buckley, Lexington; loss \$10,000.

La., Baton Rouge—Mrs. Louise Culotta's building; Sam Vaccaro's store; loss \$20,000.

La., New Orleans—Residence of Mrs. Jas. Thom, 7160 Ponchartrain Blvd.; loss \$27,000; Mrs. Thos. Taquino's residence, 7148 Ponchartrain; loss \$60,000.

La., Opelousas—Crockett & Well sugar mill.

Miss., Brookhaven—M. R. Leary's residence, W. Congress and N. Church Sts.

Miss., Weir—C. E. Roberts planing mill.

Mo., Craig—I. O. O. F. Bldg., occupied by J. H. Carter Stores Co., Inc., and lodge quarters; loss \$25,000.

Mo., Fredericktown—Westerman Store Co.'s building; loss \$15,000.

Mo., St. Louis—Kissel-Skeles Rent-a-Car Co.'s building, 3615-21 Washington Blvd.

N. C., Charlotte—Storage warehouse of Carolina Bagging Co., Henderson, N. Y.; loss \$40,000.

N. C., Durham—C. Swartz & Co.'s battery works, Holman St.

N. C., Winston-Salem—Vienna Lumber Co.'s mill Davie County.

Tenn., Dyersburg—Residences of C. A. Rogers and Mrs. C. E. White, Sampson Ave.

Tex., Houston—Bartell Warehouse and Storage Co.'s building, Williams and Sterrill Sts.; loss \$50,000.

Tex., Houston—Rooming house, 618 Chartres St., owned by Andrew Oliver; loss \$15,000.

Tex., Laredo—J. C. Penney Store, owned by M. Little; loss \$100,000; building owned by S. H. Kress & Co., 114 Fifth Ave., New York; loss \$50,000.

Tex., Sherman—Arch Castell's residence, 715 N. Grand Ave.; Mrs. J. P. Wheat's residence adjoining, and vacant dwellings owned by E. B. Scott and Miss Elizabeth Burke.

Tex., Terrell—Dormitory at Terrell State Hospital; loss \$250,000. Address R. B. Walthall, Chmn., State Bd. of Control, Austin.

W. Va., Romney—Building housing Cooper store, 2 apartments and laundry; loss \$9000.

Mo., Craig—Independent Order of Odd Fellows, probably rebuild structure noted burned at \$25,000 loss.

Mo., Jefferson City—Salvation Army, A. A. Speer, member, Advisory Bd., plans \$25,000 building; raising funds.

Okla., Frederick—Ancient Free and Accepted Masons plan \$175,000 rein. conc. and brick temple.

Okla., Marshall—Independent Order of Odd Fellows receive bids May 26 for lodge and store building; \$15,000.

Okla., McAlester—Indian Consistory, A. A. S. R., A. I. Thomas, Sovereign Grand Inspector General of Oklahoma, raising \$600,000 to rebuild and enlarge temple; lately noted under Oklahoma City. 4-3

Okla., Ponca City—Young Men's Christian Assn. plans \$150,000 building; rein. conc., brick, 4 stories and basement.

Okla., Vinita—American Legion plans clubhouse.

Tenn., Memphis—Stonewall Lodge No. 723, F. & A. M., erect \$35,000 building, Overton Park Ave. near Stonewall Place; stone, 2 stories; Hubert T. McGee, Archt., Fidelity Bank Bldg.; L. L. Diehl, Contr., 1663 Forest St.

Tex., San Angelo—Benevolent Protective Order of Elks, Harry Wise, Supreme Ruler, erect \$250,000 lodge building; brick, tile and rein. conc., cast stone, 4 stories, 90x125 ft.; John G. Becker, Archt., 33 W. Beauregard St.

Bank and Office

Ky., Louisville—Almstedt Bros., 119 S. Fifth St., soon start work on \$100,000 office bldg., 423 W. Market St. after plans by Joseph & Joseph, Archts., Francis Bldg.; 3 stories, 24x130 ft. 12-29

La., New Orleans—American Bank and Trust Co., John Legier, Pres., erect \$1,000,000 building, site L. L. & G. Bldg., Carondelet and Common Sts.; raze present structure about Oct. 1; 25 stories, 315 ft. high, 3 step transitions to 20th floor, 5-story tower; marble base, limestone, conc., struct. steel and iron work, tile work, brick, steel sash, pile foundation, bank fixtures high-speed elevators; Moise H. Goldstein, Archt., Hibernia Bldg. 2-23

Md., Baltimore—National Central Bank, Holliday St., alter present bldg. and take in 2 adjoining bldgs. having 53 ft. frontage on Baltimore St.; alter exterior and interior; \$150,000; Smith & May, Archts., Calvert Bldg.

Miss., Louisville—First National Bank ready for bids latter part of May for brick building; \$50,000, stone trim, conc. foundation, marble and tile floors, built-up comp. roof; T. I. Klyce, Archt., Bank of Com. & Tr. Bldg., Memphis, Tenn.

Miss., Picayune—Pearl River County Bank, reported, considering erecting bank building.

Mo., St. Louis—Continental Life Insurance Co., 1000 Olive St., and Grand National Bank selected W. B. Ittner, Inc., Bd. of Education Bldg., as architect for \$1,500,000 office building, Olive St. near Grand Blvd.; 20 stories 5-17

N. C., Wilmington—New Hanover Medical Society and New Hanover Dental Society considering erecting professional building; Dr. W. Houston Moore and Dr. E. J. Wood, 201 Chestnut St., members.

Okla., Oklahoma City—J. J. Culbertson, Culbertson Bldg., erect \$10,000 office bldg., W. Second St.; brick, 2 stories; Leonard Bailey, Archt., 117 S. Robinson St.

Okla., Tulsa—Public Service Corp., Fred W. Insul, Pres., 1145 E. 16th St., ready for bids latter part of May for 5-story office building; stone, brick and terra cotta.

Tenn., Memphis—Third & Madison Co., Wyatt C. Hedrick, Pres., First Natl. Bk. Bldg., Fort Worth, Tex., have plans out early in June, bids on competitive basis, for 26-story Sterick Bldg., Third St. and Madison ave.; steel frame, brick curtain walls, stone trim, 230,000 sq. ft. store and office space, 22,500 sq. ft. ground area, 13 main stories, 150 ft. high, 13-story tower with 2 set-backs; eight 800-ft. signal elevators. 5-3

Tex., San Antonio—J. M. Nix and associates, care Lanier Hotel, reported, taking revised bids on 15-story office and garage, Navarro and College Sts.; \$400,000.

Tex., Waco—Moorefield & Wirthman plan 6-story and basement cotton exchange bldg., Third and Austin Sts.; rein. conc., brick and stone, 50x60 ft.; E. C. Smith & Sons, Archts., Constr. Indus. Bldg., Dallas.

Tex., Woodboro—First National Bank erect \$10,000 bldg.; brick and tile, 1 story, 30x60 ft.; Hardy & Curran, Archts., Nixon Bldg., Corpus Christi; Homer M. Matthews, Struct. Engr., 405 Bedell Bldg., San Antonio; bids in.

Churches

Ala., Birmingham—Edgewood Presbyterian Church, Dr. Goodwin, Pastor, plans bldg., Oxmoor Rd., Homewood; Warren, Knight & Davis, Archts., Empire Bldg.

Ala., Montgomery—High Avenue Baptist Church, Rev. T. M. Fleming, Pastor, 1005 Highland Ave., plans \$40,000 Sunday school addition; brick, 2 stories.

Ark., Conway—First Presbyterian Church, Mrs. Jos. Frauenthal, member, Bldg. Comm., remodel church.

Fla., Sanford—Christian Church, Rev. Frank M. Marler, Pastor, erect \$14,000 building.

Ga., Atlanta—Candler Memorial Episcopal Church, McLendon Ave., plans \$50,000 Sunday school; brick, stone trim, 2 stories and basement, conc. and hardwood floors, comp. roof; Chas. H. Hopson, Archt., Healey Bldg.

Ga., Buford—First Baptist Church, Dr. Whitener, Pastor, erect \$30,000 Sunday school; brick, 3 stories, conc. and wood floors, wood joist, comp. roof; N. Sargent Hamilton, Archt., Wynne-Claughton Bldg., Atlanta.

Ga., Savannah—St. Michael and All Angels P. E. Church, Rev. Henry Bell Hodgkins, Rector, plans \$40,000 auditorium; remodel present bldg., for Sunday school; red Hood brick, cut art stone trim, Buckingham slate roof, dark oak furnishings; Chas. E. Choate, Archt.; Edwin K. Hodgkins, Asso. Archt.

Ky., Louisville—Knesseth Israel Congregation soon start work on \$250,000 synagogue, Floyd St. and Jacob Ave., after plans by Joseph & Joseph, Archts., Francis Bldg.; accommodate 1200; community center room seat 750; 14 classrooms. 1-5

Ky., Louisville—Messick Memorial and West Broadway M. E. Churches, South, will unite and erect \$150,000 bldg., site Messick Church, 37th St. and Broadway, Rev. J. H. Nicholson and Rev. B. C. Horton, Pastors.

La., Cedar Grove, Shreveport—Southside Baptist Church receives bids May 28 for \$25,000 building, 65th and Highland Sts.; brick; classrooms; Ferrand & Fitch, Archts., Slaughter Bldg., Dallas, Tex.; following contractors estimating: J. M. Brown, 210 Milam St.; M. D. Brown; Gilman McConnell, Ricou-Brew Bldg.; Glassell-Wilson Co., Augurs St.; Tom Green, Ward Bldg.; Garson Bros., Majestic Bldg.; Werner Co., Inc., Coml. Bank Bldg.; McMichael Construction Co., City Bk. Bldg.; Strube McConnell, 3404 Hearne Ave., all Shreveport.

La., Haynesville—Church of Christ, Rev. C. C. McQuiddy, Pastor, erect \$20,000 to \$25,000 building.

La., Port Allen—Church of the Holy Family receives bids June 1 for bldg.; plans from Thos. R. Evans.

Md., Baltimore—Wilhelm Park Christian Church, Wilhelm Ave. near Wilkens Ave., Rev. R. L. Brohman, Pastor, erect \$26,000 stone building, Wilhelm and Cowan Aves.

Md., Baltimore—SS. Phillip and James R. C. Church, Rev. John E. Wade, Pastor, receives revised bids May 30 for limestone building, 29th and Charles Sts.; \$500,000, steel and rein. conc., vaulted interior, marble floors, tile roof, vacuum heating; auditorium seat 925; Theo. Wells Pletsch, Archt., Amer. Bldg.; Herman Eisert, Mech. Engr., 321 N. Charles St.; Henry Massart, Struct. Engr., 328 N. Charles St.; following contractors estimating: M. A. Long Co., 10 W. Chase St.; Frairie Bros. & Haigley, Inc., 19 W. Franklin St.; R. N. McCulloh & Co., 538 N. Calvert St., all Baltimore; Geo. A. Fuller Co., Fuller Bldg., Munsey Bldg., Washington, D. C.

Miss., Blue Mountain—Methodist Church, Rev. N. M. Maxey, Pastor, erect brick bldg.; to be called Frank Hopkins Memorial Methodist Church.

Miss., Carthage—Methodist Church receives bids May 28 for brick building; rein. conc. foundation, comp. shingle roof, wood floors; Emmett J. Hull, Archt., Merch. Bank Bldg., Jackson. 5-17

Miss., McComb—Baptist Church, East McComb, Rev. W. A. Gill, Pastor, plans 1-story and basement brick building.

Miss., Prentiss—Methodist Church, Rev. A. J. Davis, Pastor, may remodel and enlarge building; Arcola heat.

Okla., Hominy—Methodist Episcopal Church, Rev. W. W. Weelock, Pastor, erect \$25,000 bldg.; brick and stone, 2 stories; Dawson & Griffith, Archts., 1206 Broadway, Muskogee.

Okla., Shawnee—North Shawnee Baptist Church soon call for bids for \$25,000 bldg.; brick and conc., 3 stories; Hawk & Parr, Archts., Cotton Exch. Bldg., Oklahoma City; plans complete. 4-12

S. C., Florence—Central Methodist Church, Dr. F. H. McLeod, member, Bldg. Comm., remodel and enlarge building; \$30,000.

S. C., Graniteville—Baptist Church Rev. O. E. TeBow, Pastor, plans church and Sunday school; accommodate 800; Willis Irvin, Archt., S. F. C. Bldg., Augusta, Ga.

Tenn., Memphis—First Presbyterian Church, Poplar Ave. and Third St., W. R. King, Chmn., Bldg. Comm., receiving bids for repairing church and erecting Sunday school addition; brick and terra cotta, 2 stories; new brick and terra cotta steeple, stone vaulted ceiling; \$75,000; G. Frazer Smith & H. M. Burnham, Archts., Goodwyn Institute. 3-29

Tenn., Milan—Methodist Church, Dr. B. D. Caldwell, Chmn., Bldg. Comm., plans \$50,000 building.

Tex., Beaumont—St. Johns English Lutheran Church, Rev. Walter J. Lots, Pastor, erect bldg.; Fred Heidreder, Archt., Houston.

Tex., Commerce—First Baptist Church, J. G. Smith, Chmn., Bd. of Deacons, erect \$40,000 Sunday school; 4 stories.

Tex., Dallas—East Dallas Baptist Church erect permanent tabernacle to seat 5000. Address The Pastor.

Tex., Houston—Eastwood Baptist Church, Rev. W. D. Lyerle, Pastor, plans \$40,000 church and Sunday school, Clay Ave. and Sidney St.; 3 stories.

Va., Roanoke—First Baptist Church, C. S. Churchill, Chmn., Bldg. Comm., Liberty Tr. Bldg., probably let contract May 22 for \$350,-

000 Romanesque type bldg., S. Third St.; bids in; Frye & Stone, Archts., MacBain Bldg., Roanoke; P. E. Burroughs, Conslt. Archt., care Architectural Dept., Sunday School Bldg., Southern Baptist Convention, Nashville, Tenn. 3-15

Va.-Tenn., Bristol—Anderson Street Methodist Church plans building. Address The Pastor.

City and County

Fla., Clearwater—City, H. S. Riddle, City Mgr., receives bids June 4 for brick fire and police station (no cell work), Garden Ave. and Hendricks St.; conc. floors and foundation; Ritchie & Wakeling, Archts., Coachman Bldg. 5-17

Ga., Folkston—Charlton County votes June 18 on \$50,000 courthouse rebuilding bonds; brick, 2 stories, 50x100 ft.; Roy A. Benjamin, Archt., Bisbee Building, Jacksonville, Fla. 4-12

La., Crowley—City Council may call election on city auditorium bonds.

Fla., Lake Wales—City, V. A. Simms, Mayor, erect \$75,000 city hall; hollow tile and stucco, 2 stories and basement, 60x80 ft.; jail and fire station; Francis J. Kennard & Son, Archt., 303 Zack St., Tampa; bids May 23. 2-2

La., Coushatta—Following contractors estimating on \$140,000 Red River Parish courthouse, bids June 7 by Wm. T. Nolan, Archt., Canal Bank Bldg., New Orleans, La.; Brashear & Ruddell, Texarkana, Ark.-Tex.; Stewart-McGehee Construction Co., Hahn Bldg., Little Rock, Ark.; Chas. Gilbert, Canal Bank Bldg., New Orleans; P. Olivier & Son, 114 Bilbo St.; Knapp & East, Kaufman Bldg., both Lake Charles, La.; H. Cleveland, Giddens-Lane Bldg., Glassell-Wilson Co., 501 Texas St., both Shreveport, La.; Burkes & Chapman, Baton Rouge, La.; Sandquist & Snow, Inc., Haas Bldg., Alexandria, La. 5-17

La., Opelousas—City plans city hall. Address The Mayor.

Md., Baltimore—Municipal Architectural Comsn. selected Clyde N. and Nelson Friz, Lexington Bldg., Baltimore, as architects, and Edw. L. Tilton and Alfred Morton, Githens, both 141 E. 45th St., New York, as conslt. architects for \$3,000,000 central building, Enoch Pratt Free Library, Cathedral, Mulberry and Franklin Sts., Jos. L. Wheeler, Librarian. 5-12-27

Md., Rockville—Montgomery County Bd. of Commrs., Dr. Benj. C. Perry, Pres., selected R. Edward Mitchell, Chevy Chase, as architect for remodeling courthouse, and Faulconer & Proctor, Silver Springs, as architects for new jail; \$250,000 available for former, \$50,000 for latter. 4-14-27

Miss., Hattiesburg—City votes June 12 on \$50,000 library bonds. Address City Comsn.

Mo., Kansas City—City defeated bonds to enlarge convention hall; also defeated \$3,750,000 city hall and \$3,500,000 auditorium bonds. 3-8

Mo., Kansas City and Independence—Jackson County defeated \$5,000,000 bonds for 2 courthouses. 3-29

Okla., Muskogee—City, W. H. Cavanagh, City Clk., probably have plans ready about June 1 for \$400,000 city hall; stone and conc., 3 stories, 140x202 ft., wood, cement, terrazzo and tile floors, steam heat; H. H. Niemann, Barnes Bldg. and L. L. Howenstine, 2705 Oklahoma St., Archts. 3-29

Okla., Ponca City—City, C. E. Norton, City Clk., reported, considers erecting \$250,000 convention hall.

Tex., Corpus Christi—City Council has low bid at \$20,438 from H. E. Woodruff, Nixon Bldg., for 2 fire stations; E. Kenneth Ahler, Archt., State Natl. Bk. Bldg. 5-10

Tex., Donna—City, N. O. Gerald, Mayor, plans city hall.

Tex., Floydada—City, Burl Bedford, City Sec., receives bids May 25 for city hall, Virginia St.; \$10,000.

Va., Richmond—City Council plans to start work Sept. 1 on \$500,000 Dooley Memorial Library, First and Franklin Sts.; plans being completed; fireproof, limestone; Baskerville & Lambert, Archts., Travelers Bldg. 2-2

Va., Richmond—Col. John A. Cutchins, Grace Securities Bldg., is chmn. of bd. of stadium trustees to erect \$150,000 stadium; Belmont Ave. near Byrd Park selected as location. 11-10

Va., Richmond—School of Social Work and Public Health, H. H. Hibbs, Jr., Director, receives bids May 29 for studio laboratory building, Shaffer and Franklin Sts.; plans seen at office Chas. M. Robinson, Archts., 1002 Times-Dispatch Bldg.

Dwellings

Ala., Birmingham—W. G. Montgomery,

2805 Nineteenth Ave., Ensley, erect \$15,000 frame residence and garage, Forrest Park; 2 stories, 33x40 ft. and 20x20 ft., tile baths, comp. roof, steam heat; Chas. H. McCauley, Archt., Jackson Bldg.; bids in.

Ark., Little Rock—Chas. Schoemaker, 1522 Gaines St., erect \$40,000 residence, Ozark Point; brick and stone, 2 stories and basement, 4 tile baths, wood and tile floors, slate roof; Wittenberg & Delony, Archts., Home Ins. Bldg.; bids in.

D. C., Washington—Alice V. Larrimore, 5700 Eighth St., N. W., erect 2 dwellings, 3224-28 Rittenhouse St., N. W., after plans by Louis R. Moss, 2201 15th St., N. W., brick, 3 stories; \$24,500. 5-10

D. C., Washington—T. M. Neale, 910 17th St., N. W., has permit for 7 tile dwellings, 3800-12 Veasey St.; 2 stories; \$80,000.

D. C., Washington—Henry J. O'Connor has permit for brick and tile residence, 1341 Jonquil St., N. W.; 2 stories; \$13,000.

D. C., Washington—G. E. MacNeil, Archt., 1119 Seventeenth St., N. W., has drawn plans for \$13,000 dwelling, 4530 Cathedral Ave.

D. C., Washington—Chas. D. Sager, 924 Fourteenth St., N. W., erect 10 brick row dwellings, 548-66 Twenty-fourth St., N. E., after plans by Geo. T. Santmyers, Archt., 917 Fifteenth St., N. W.; 2 stories, 5 rooms and bath, slag roofs. 5-17

D. C., Washington—Geo. T. Santmyers, Archt., 917 15th St., N. W., has drawn plans for 6 dwellings, 3700-20 Yuma St.; \$48,000.

Fla., Daytona Beach—Henry C. Rowe, 700 Peninsula Drive, plans \$50,000 Georgian type residence below Schulte Park; face brick, 90 ft. long, tile or asbestos roof, 7 baths, paneled wainscoting; John A. Rogers, Archt., 508 Bellevue Ave.

Fla., Hypoluxo—John Demerest remodel residence; \$75,000; Howard Major, Archt., 19 Via Parigi, Palm Beach.

Fla., Palm Beach—Bruce Kitchell, Archt., 105 N. Palm Beach Ave., drawing plans for two \$100,000 dwellings.

Fla., Palm Beach—Richard Cowel erect \$75,000 residence; Howard Major, Archt., 19 Via Parigi; work probably soon start.

Fla., Palm Beach—Hugh Dillman, Ocean Blvd., add patio and additions to residence; patio 106x136 ft., 18x36-ft. library, 27x93-ft. 5-car garage, and laundry with servants' quarters above; also plans to remodel dwelling, South Lake Trail, add solarium and servants' quarters; Addison Mizner, Archt., 337 Worth Ave., West Palm Beach.

Fla., Palm Beach—Capt. John H. Gibbon erect 2-story addition to residence, Sea Spray Ave.; Maj. Clark J. Lawrence, Archt., Lakeview Arcade.

Fla., Tampa—Caesar Fernandez, 1504½ E. Broadway, erect \$16,000 residence, 2822 Elmore St.

Fla., Tampa—T. J. Grimaldi erect \$30,000 residence, 1203 Eleventh Ave.

Ga., Atlanta—Grahn Construction Co., Red Rock Bldg., and Wagar & Co., Norris Bldg., estimating on \$35,000 residence for Louis Aronstam, 263 Decatur St.; bids May 25; Pringle & Smith, Archts., Norris Bldg. 5-17

Ga., Atlanta—Melvin Realty Co. erect \$10,000 dwelling, 841 Argonne Ave., N. E.; brick veneer, 2 stories.

Ga., Atlanta—J. Kuniansky, 1040 W. College Ave., Decatur, erect 2 dwellings, 405-09 Sixth St., N. E.; 1 story, brick veneer; \$10,000.

Ga., Atlanta—J. S. Disoway, 68 Rivers Rd., has low bid from Chas. Black, Jr., Atlanta Tr. Bldg., for residence; Burge & Stevens, Archts., Marietta Bldg. 5-17

Ky., Owensboro—Mrs. Cora Wells erect brick residence, Frederica St.

La., Bogalusa—First Baptist Church, Rev. O. P. Estes, Pastor, erect 2-story parsonage.

La., New Orleans—Louis N. Hammett, Archt., 600 Maison Blanche Bldg., receiving bids for frame bungalow, Audubon and Green Sts.

La., New Orleans—Jones, Roessle & Olschner, Archts., Maison Blanche Bldg., receive bids May 31 for 2-story frame residence, Versailles Blvd.

La., New Orleans—R. A. Mackenroth, 4433 Canal St., erect 3 duplexes, Fontainebleau Drive near Rendon St.; 2 stories, 24x37 ft., tile roofs; \$20,000; Robt. George, Archt.

Md., Baltimore—M. J. Davidson erect 11 brick dwellings, 4000-20 Walrad St.

Md., Baltimore—Edwin Greenlaw, 707 University Pkwy., erect \$20,000 stone residence and garage, 4108 St. Paul St.

Md., Baltimore—Philip S. Morgan & Co., Inc., 514 St. Paul Place, erect dwelling, 4711 Springlake Way; Cyril H. Hebrank, Archt., 3 E. Lexington St.

Md., Baltimore—John L. Koppelman, Bowleys Lane, erect frame residence and barn; 2 stories.

Md., Baltimore—C. K. Wells, 3538 Old York Rd., erect \$10,000 brick residence and garage, 116 St. Dunstons Rd.; 2½ stories.

Md., Catonsville, Baltimore—G. Lee Burgess, School St., plans residence, Rolling Rd. N. of Edmondson Ave.

Mo., Kansas City—E. H. Wilkie, care Wilkie Furniture Co., 400 W. 47th St., plans residence, 650 W. 70th St., Romanelli Gardens.

Mo., Kansas City—Chas. F. Curry, 107 W. 10th St., erect residence, 5255 Ward Pkwy., Sunset Hill.

Okla., Oklahoma City—Jess Hoke erect \$10,000 brick residence, 1524 W. 36th St.

Tenn., Knoxville—Greenway Home Builders, Inc., Journal Arcade, A. E. Gibbs, member, plans dwellings.

Tenn., Memphis—Mrs. Chas. Wessell, 388 N. Front St., erect 13 duplexes, 700 and 800 blocks Joy Place; \$1000 each.

Tenn., Memphis—L. L. Diehl, 1663 Forrest St., erect 3 brick veneer dwellings; 1 story and basement, oak floors, comp. shingle roof, hot water heat, tile bath; Estes W. Mann, Archt., Cotton Exch. Bldg.

Tenn., Memphis—Eaton M. Elder, 152 Madison St., erect \$20,000 residence, Hedgemoor; brick, oak floors, tile roof and bath, steam heat, garage and servants' quarters; Geo. Awsumb, Archt., Dermon Bldg.

Tenn., Memphis—Mrs. Hancock English, Elks Club, considers erecting \$10,000 brick veneer residence; 1 story and basement, oak floors, comp. roof, steam heat.

Tenn., Memphis—J. C. Barker, Dermon Bldg., erect \$12,500 residence, Jackson Ave. and Sheridan Place; brick veneer, 1 story and basement, 122x70 ft., comp. shingle roof, oak floors, tile bath, steam heat; Estes W. Mann, Archt., Cotton Exch. Bldg.

Tex., Brady—Dr. J. B. Granville erect Colonial residence; brick, 2 stories; Beverly W. Spillman & Beverly W. Spillman, Jr., Archts.-Engrs., Alamo Bk. Bldg., San Antonio.

Tex., Edinburg—Cam Hill erect \$10,000 Colonial residence; frame, 1 story; Robt. L. Vogler, Archt.

Tex., Harlingen—Eli Snavey enlarge residence; frame and stucco, shingle roof; \$10,000; Birger A. Elwing, Archt.

Tex., Houston—W. J. Meyer erect Colonial residence, Del Monte Drive, River Oaks; brick veneer, 9 rooms; J. W. Northrop, Jr., Archt., West Bldg., completing plans.

Tex., Houston—Frank Hensley, 1302 Peden St., erect 4 duplexes and garages, Bonnie Brae and Norfolk Sts.; 2 stories, 12 rooms, brick veneer; \$36,000.

Tex., Houston—Effe H. Pardue erect 2 brick veneer dwellings and garages, 1713-20 Milford St.; 2 stories; \$21,000.

Tex., Houston—V. H. Williford, 1330 Castle Court, erect residence, River Oaks.

Tex., San Antonio—Frank Price erect 2 dwellings, Texas Ave.; 6 rooms; \$12,000.

Tex., San Antonio—C. O. Wolf, Frost Bk. Bldg., erect 5 dwellings, Baylor St.; 5 rooms; \$10,000.

Tex., San Antonio—Dr. A. Berchermann, Med. Arts Bldg., erect Colonial residence, 1000 block W. Mistletoe St.; frame and conc., 2 stories, 10 rooms, shingle roof; Atlee B. and Robt. M. Ayres, Archts., Bedell Bldg.

Tex., Sweetwater—C. E. Brand erect \$20,000 residence; brick veneer, 2 stories and basement, hardwood floors, tile bath, conc. foundation, asbestos shingle or tile roof, steam heat; Page Bros., Archts., Austin Natl. Bank Bldg., Austin; bids May 22.

Va., Richmond—Union Security and Realty Co., Amer. Natl. Bank, R. H. Bruce, Vice-Pres.-Gen. Mgr., erect number dwellings, between Semmes Ave. and McDonough St., and 12th and 13th Sts., South Richmond; \$150,000.

Government and State

D. C., Washington—Architect of the Capitol, David Lynn, invites presentation of plans, specifications and estimates until June 20 for ventilation and air conditioning of Hall of House of Representatives.

Fla., Orlando—Following contractors estimating on remodeling post office, bids June 8, by Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C.; Wm. MacDonald Construction Co., Synd. Tr. Bldg.; A. M. Lundberg, 208 N. Broadway, both St. Louis, Mo.; Algernon Blair, Montgomery, Ala.; Smythe & Co., 1416 F St., N. W., Washington, D. C.; Theriault Contracting Co., 634 E. Johnson St., Philadelphia, Pa. 5-17

Ga., Canton—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., receives bids June 15 for post office; drawings from Custodian at site or from Supvg. Archt.

Ky., Henderson—Following contractors estimating on postmaster's room and interior changes, post office, bids June 13 by Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C.; A. M. Lundberg, 208 N. Broadway; Wm. MacDonald Construction Co., Synd. Tr. Bldg., both St. Louis, Mo.; Smythe & Co., 1416 F St., N. W., Washington; Theriault Contracting Co., 534 E. Johnson St., Philadelphia, Pa.; W. D. Lovell, 1415 Eighth St., S. E., Minneapolis, Minn.; Chas. Weitz's Sons, 713 Mulberry St., Des Moines, Iowa; King Lumber Co., Charlottesville, Va. 5-17

Md., Fort Leonard Wood—Constructing Quartermaster receives bids June 14 for water distribution system, Fort Leonard Wood; plans from above. 3-15

Tex., Corsicana—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C.; reported, remodel and enlarge post-office; \$100,000.

Tex., Cuero—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., receives bids June 21 for new basement and basement entrance, etc., post office; drawings from Custodian at site or from office Supvg. Archt.

Tex., Pampa—J. N. Duncan erect 25x30-ft. addition to postoffice building.

Tex., San Antonio—National Guard, care Maj. Frank Martin, Goliad, plans armory.

Va., Danville—Additional contractors estimating on remodeling post office, bids June 12 by Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington; Thos. W. Cissel, Bethlehem Tr. Bldg., Bethlehem, Pa.; Smythe & Co., 1416 F St., N. W., Washington; E. E. Garber & Co., Inc., Bethlehem, Pa.; A. M. Lundberg, 206 N. Broadway, St. Louis, Mo.; Algernon Blair; A. C. Samford, both Montgomery, Ala.; H. A. Osborne & Son, Arcade Bldg., Danville, Va. 5-17

Hospitals, Sanitariums, Etc.

Ala., Mobile—Kiwanis Club, Judge David H. Edrington, member, will give \$6250 toward additional unit at Mobile County Tuberculosis Hospital, Cottage Hill.

Ark., Hot Springs National Park—War Dept., Washington, D. C., approved recommendation of \$19,500 for addition and sleeping porch to Army and Navy General Hospital.

Md., Baltimore—Bd. of Supervisors of City Charities, Albert G. Towers, Pres., St. Paul and Lexington Sts., recommended Palmer & Lambdin, 513 N. Charles St., as architects for \$2,500,000 building program, Baltimore City Hospitals. 5-3

Mo., Kansas City—Jackson County voted \$500,000 bonds for hospital for poor. Address County Commrs.

N. C., High Point—City votes July 3 (extended date) on \$200,000 hospital bonds. Address City Council. 3-8

N. C., Oteen—United States Veterans' Bureau, L. H. Tripp, Ch., Constr. Div., Arlington Bldg., Washington, D. C., advises plans for new units at U. S. Veterans' Hospital in tentative stage only, date for receiving bids not yet set; work to include nurses' quarters, accommodate 110, \$160,000; remodeling and additions to officers' quarters, \$45,000; storehouse, \$30,000; \$20,000 ice plant; \$20,000 garage; new hospital unit accommodate 200, \$300,000; rein. conc., brick, steel and stone.

N. C., Winston-Salem—Forsyth County votes June 2 on \$250,000 tuberculosis sanatorium bonds; Northup & O'Brien, Archts., Starbuck Bldg., Winston-Salem; T. B. Kidner, Const. Archt., 155 E. 42nd St., New York. 1-12

S. C., Bennettsville—Geo. S. Berryman, Odd Fellows Bldg., Raleigh, N. C., is drawing plans for \$100,000 hospital; J. S. Covington, Clio, is chmn. of citizens' comm.; rein. conc. and brick, 2 stories and basement, comp. roof. 11-24

Tenn., Kingsport—Marsh Clinic and Hospital erect brick addition; fireproof, 3 stories, 25 beds; receiving bids.

Tex., El Paso—Benevolent Protective Order of Elks, J. H. Gibson, State Pres., Houston, plans to establish tuberculosis sanatorium, probably in El Paso; W. W. Bridges, chmn. of sanatorium comm., El Paso.

Tex., Port Arthur—Roman Catholic Hospital Bd., care Mother Superior, St. Mary's Infirmary, Galveston, erect \$400,000 hospital; 6-acre site given by City.

Tex., Terrell—State Bd. of Control, R. B. Walthall, Chmn., Austin, remove third floor

of dormitory, Terrell State Hospital noted burned at \$250,000 loss and reroof at end of second story.

Va., Richmond—Henry Franklin Building Corp., Dr. A. L. Herring, Pres., 2820 Grave Ave., plans \$250,000 hospital, Franklin and Henry Sts.; 6 stories, site 95x190 ft.; 50 to 75 beds and offices for 16 doctors and dentists; work probably start in June.

W. Va., Wheeling—Ohio Valley General Hospital, 2000 Eoff St., reported, plans \$500,000 addition; brick and steel, 4 stories; Chas. W. Bates, Archt., 77 Twelfth St.

Hotels and Apartments

Ala., Robertsdale—Chas. G. Hollis and G. C. Stephenson plan 30-room hotel.

Ark., Hot Springs—Geo. R. Mann, Archt., Donaghey Bldg., Little Rock, representing Eastern associates, acquired Eastman Hotel property; expend \$250,000 for improvements; also reported, planning \$1,000,000 to \$1,250,000, 14-story hotel on Broadway; 650 rooms; work to begin next spring.

D. C., Washington—Richard G. Fletcher, 927 15th St., N. W., has permit for \$300,000, 5-story, brick and tile store and apartment, 650 Girard St., N. W.

D. C., Washington—Young Enterprises erect three 2-story brick apartments, 326-34 Fourteenth Pl., N. E.; \$30,000.

Fla., Canal Point—Mrs. Riley Brooks erect 20-room hotel at South Bay.

Fla., St. Petersburg—Vinoy Park Hotel Co., A. V. Laughner, Pres., 178 Central Ave., erect \$25,000 addition to kitchen; rein. conc., fireproof, stucco finish; Henry L. Taylor, Archt., Times Bldg.

Fla., West Palm Beach—Isaac W. Bernheim, reported, erect \$1,000,000 hotel; begin work within year.

Ga., Cartersville—B. J. Bandy and C. L. Bradley, Dalton, acquired Park Hotel and remodel; \$100,000, 2 stores on first floor, stucco exterior finish, 30 to 40 additional rooms, elevator.

Ga., Cordele—Dr. W. Elliott and Mrs. S. J. Herrington soon let contract for improvements to Suwanee Hotel.

Ga., Macon—Chess Jones, 25 Wall St., low bidder for \$100,000, 3-story, brick veneer apartment on Cherry St.; 24 units, comp. roof, conc., tile and wood floors, steam heat; Donwody & Oliphant, Archts.

La., Amite—Nick Cefalu receives bids May 31 for \$40,000, 2-story, 55x70-ft., rein. conc., brick and stone trim hotel; 55 rooms, 4 stores; Robt. H. Goodman, Archt., Bk. of Baton Rouge Bldg., Baton Rouge.

Miss., Greenville—Greenville Hotel Corp. call for bids about June 15 for \$250,000, 6-story, 100x96-ft., brick, steel and conc. hotel; built-up roof, cement floors; H. W. Lathrop, Archt.; W. H. P. Reid, Asso. Archt. See Want Section—Building Material and Equipment. 5-3

Miss., Jackson—Walthal Hotel Co. receives bids May 28 (extended date) for \$350,000, 8-story, 200-room, rein. conc., steel frame, brick, fireproof hotel; separate bids for plumbing, heating, electric wiring, elevators, typhoon system of ventilating; plans at office N. W. Overstreet, Archt., Miss. Fire Bldg. 5-17

Miss., Natchez—Louis Brown represents interests who plan to erect 12-apartment building.

Mo., Kansas City—F. L. Mixon, Commerce Bldg., has permit for \$10,000 apartment, 3001-03 Indiana Ave.

Mo., St. Louis—Charles L. Geraghty, 4250 Lindell Blvd., reported, erect \$350,000, 8-story apartment, 5470 Delmar Blvd.

Mo., St. Louis—W. M. Smith, 5046 Queens St., erect two 2-story, 24x42-ft. brick tenements, 5020-22 Durant St.; \$10,000; asphalt shingle roofs, hot air heat; Schulte & Tarling, Archts., 2808 W. Grand Ave.

N. C., Charlotte—Charlotte Apartment House Corp., Wesley T. Heath, Pres., 11 E. Third St., reported, erect \$700,000, 10-story brick and limestone apartment, S. Tryon St. near E. Vance St.; recreation room for men, clubroom for women; each apartment to have metal kitchen equipment, electric refrigerator, steel door beds, incinerator, vacuum cleaning system; grille in basement to have polychrome ceiling; M. R. Marsh, Archt., Builders Bldg.

Okla., Tulsa—Dr. M. C. Kimball, 101-A W. Fourth St., reported, erect \$450,000, 6-story, brick and tile apartment; W. D. Blackner, Archt.

Okla., Tulsa—Mrs. Vistar Villers, 512 W. Fifth St., soon call for bids for \$150,000, 3-story, brick and rein. conc. apartment; F. W. Redlick, Archt.

Tenn., Tiptonville—A. E. Marham, Mayor, erect 30-room hotel at Reelfoot Lake.

Tex., San Antonio—H. H. Clark, 132 Rigaby St., has permit for \$12,000, 16-room apartment, Post Ave.

Tex., Beeville—Schwab & Reed erect 2-story, 40x130 ft., 48-room Kohler Hotel addition; Leo M. J. Dielmann, Archt., 306 E. Commerce St.; bids in. 3-15

Tex., Eagle Pass—Hotel Eagle erect 3-story addition; elevator, Otis Elevator Co.; John D. Marriot, Archt., Frost Bldg., San Antonio.

Tex., Harlingen—S. C. Moore erect 3-story, brick and steel, 150-room Hotel Moore.

Tex., San Antonio—Jack Allen soon let contract for 2-story, 45x156 ft., brick, tile, rein. conc. and cast stone hotel and store in 500 block N. St. Mary's St.

Tex., San Antonio—Southern Bus Co., E. C. Ekstrom, Pres.-Gen. Mgr., and Union Bus Co., 219 E. Travis St., reported, erect 10-story hotel and bus terminal; \$500,000.

Tex., San Antonio—A. H. Shafer Estate having plans prepared by Paul G. Silber & Co. for 6-story addition to 12-story Blue Bonnet Hotel. St. Mary's and Pecan Sts.; leased by Blue Bonnet Hotel Co., Floyd Singleton, Pres.

Tex., San Antonio—August Nagel erect four 6-room apartments, Claremont Ave.; \$10,000.

Tex., San Antonio—Swiss Plaza Building Co., F. L. Hillyer, Pres., 111 E. Craig Place, reported, erect \$1,200,000, 22-story co-operative apartment in 2300 block McCullough Ave.; 70x140 ft., steel, brick and conc. swimming pool and recreational center in rear, stores on ground floor, 2-story garage; Phelps & Dewees, Archts., Gunter Bldg. 2-2

W. Va., Huntington—C. L. Hartley has permit for \$20,000, 2-story, 28x52 ft. apartment, 612 9th Ave.

Miscellaneous

Fla., Palm Beach—Sailfish Club and Whist Club soon start combined clubhouse; \$17,450; R. C. Warner, Archt., 419 Palmetto St.

Fla., Tampa—Woman's Social and Civic Club, Mrs. Wm. Palmer, member, plans clubhouse.

Fla., Tampa—Storecade Market Co., 206 S. Franklin St., erect 2-story, 116x100 ft., brick community market, Platt and Newport Sts.; comp. and cement floors, comp. roof; F. A. Harris, Archt., 301-02 Lafayette Arcade. See Want Section—Building Material and Equipment.

Ky., Ashland—Bellefonte Country Club erect English type building to replace burned structure.

La., Shreveport—Shreveport Chapter of Will H. Dilg League of Louisiana, Z. R. Lawhon, Chmn., Bldg. Comm., 3206 Samford Ave., erect combination clubhouse and assembly hall.

Miss., Hattiesburg—E. C. Hearon & Sons, Archts., 201½ W. Pine St., received bids May 21 for \$12,000, 50x80-ft., one-story and basement, conc., brick and tile clubhouse for Hattiesburg Country Club; asbestos slate roof, wood floors, warm air heat. 3-8

Mo., St. Joseph—Club Enterprises, Inc., John F. Studley, Pres., Hotel Robidoux, developing 460-acre island on Sugar Lake, 17 mi. south of St. Joseph, for country club to be known as Club Casa Del Largo; \$700,000; clubhouse group to include private rooms, lockers for 600 men and 300 women, billiards, bowling alleys, manor house, assembly room, 2 dining rooms, bathing beach, bathers' pergola, golf shelter house, 36-hole golf course, athletic field and polo grounds, half-mile race track, aviation field, boys and girls' camps, number of cottages; Robt. B. Williamson, 19 S. La Salle St., Archt., Chicago.

Okla., Tulsa—N. Main Community Club, reported, erect 5-story and basement, 70x150 ft., rein. conc. and stone community building; Cross & Duggan, Archts., 114½ E. Second St.

S. C., Charleston—J. L. Kaptam Organization, Chicago, local offices Marion Hotel, has taken over management of Isle of Palms beach resort; remodel hotel, erect number homes and business buildings, amusement park.

Tenn., Knoxville—Blount Memorial Assn., Miss Mary Boyce Temple, Pres., remodel William Blount Home; \$10,000.

Tex., Port Arthur—Day Nursery, 320 Mobile Ave., Mrs. H. F. Banker, Pres., erect \$25,000, 2-story, brick building in Edgemore addition.

Tex., Terrell Wells—H. E. Stumberg erect additional story to hotel, glassed-in sun parlor on roof, enlarge bathroom and other improvements for health and tourist resort; \$150,000.

Railway Stations, Sheds, Etc.

Mo., Rolla—St. Louis-San Francisco Rwy. Co., F. G. Jonah, Ch. Engr., St. Louis, erect \$50,000 freight and passenger station.

Mo., St. Louis—Terminal Railroad Assn. reported, plans \$3,000,000 Union Station; project includes passenger car yard west of station and enlargement of yard at Compton Ave.; 4-story express building at 18th St. and Clark Ave. for warehouse and offices; vehicular subway to provide access to new express building, baggage and mail building; addition of ten tracks between Market St. and Clarke Ave.; umbrella type shelters over new station platforms.

Tex., Houston—Southern Pacific Lines, R. W. Barnes, Ch. Engr., 916 Southern Pacific Bldg., reported, planning \$6,000,000 station. 6-9-27

Schools

Ala., Coaling—Tuscaloosa County Bd. of Education, Prof. James B. Sellers, Supt., Tuscaloosa, erect \$10,000 consolidated school.

Ala., Fairfield—Bd. of Education, B. B. Baker, Supt., received low bid at \$150,000 from Tom Purvis, 904 Cotton Ave., Birmingham, for 3-story and basement, rein. conc. high school; Denham & Denham, Archts., 1221 Comer Bldg., Birmingham. 5-3

Ala., Foley—School Bd. expend \$40,000 for additions and improvements.

Ark., Little Rock—Pulaski County, D. T. Henderson, Supt., soon call for bids for \$15,000 to \$25,000 brick veneer schools at Sweet Home, Woodsen, Oak Grove, Landmark and Bayou Meto; Wittenberg & Delony, Home Insurance Bldg.; Thompson, Sanders & Ginocchio, Hall Bldg., and Geo. R. Mann, Wanger & King, New Donaghey Bldg., Archts.

Ark., McGehee—Catholic Church, Rev. G. J. Lillis, Pastor, erect \$12,000, one-story brick parochial school; Henry J. Kramer, Archt., Goodwyn Institute Bldg., Memphis, Tenn.

Ark., Russellville—School Bd. erect \$100,000 high school.

D. C., Washington—Dist. Commrs., Room 509 District Bldg., erect school in Chevy Chase district.

Fla., Englewood—Sarasota County Bd. of Public Instruction, W. T. Yarborough, Supt., Sarasota, receives bids May 31 for \$38,000, one-story, 141x53-ft. grade school; auditorium to seat 300, 8 classrooms; T. M. Bryan, Archt., Bank of Sarasota Bank Bldg., Sarasota.

Ga., Americus—New Era Consolidated School Dist. Trustees, C. S. Hogg, Chmn., erect \$20,000, one-story and basement, brick veneer school; Lockwood & Poundstone, Archts., Forsyth Bldg., Atlanta. 5-17

Ga., Blakely—Early County Consolidated School Dist. votes May 30 on \$25,000 bonds.

Ga., Cairo—Bd. of School Trustees, J. B. Wight, Chmn., receives bids May 28 for \$30,000, one-story and basement, 8-classroom and auditorium school; brick veneer, comp. roof, conc. and wood floors; plans at office Lockwood & Poundstone, Archts., Forsyth Bldg., Atlanta. 5-17

Ga., Gainesville—Breneau College selected James J. Baldwin, Taylor Bldg., Asheville, N. C., to prepare plans for remodeling buildings and for several new structures; reported cost \$750,000 to \$1,000,000. 2-9

Ga., Manchester—School Bd. received low bid from W. C. Hinton, Cordele, for 1½ story, 116x75-ft., brick veneer, art stone trim high school; Daniel & Beutell, Archts., Healey Bldg., Atlanta. 5-3

Ga., Savannah—Bd. of Public Instruction receives bids May 29 from local contractors for 2-story and basement, 48x96 ft., brick school annex; \$45,000, Barrett roof, hardwood floors, steel girders and lintels, metal lath; Levy & Clarke, Supvg. Archts., Blum Bldg.; Cletus W. Bergen, Const. Archt., Liberty Bank and Tr. Bldg.; Wallin & Comer, W. P. Marshall, both Realty Bldg., and Percy Sugden, 125 E. 49th St., Asso. Archts.; following contractors estimating: Artley Co., 504 E. Bay St.; Olaf Otto, Arcade Bldg.; F. McKae, 11 Drayton St.; R. S. Whalley Co., R. W. Boyd, 317 W. 37th St.; E. Morgan, Ott St.; J. C. Bush, 646 E. 35th St.; D. C. Beasley, 307 W. Duffy St.; T. R. Worrell, 101 E. 40th St. See Want Section—Building Material and Equipment.

Ga., Ty Ty—Bd. of Education erect \$25,000 consolidated school.

Ky., Ashland—Bd. of Education acquired 7-acre site in Midland Heights for Junior High School.

Ky., Frankfort—Bd. of Trustees, Kentucky State Industrial College, rescinded contract for 3-story, \$150,000, brick dormitory for girls; call for new bids soon.

Ky., Lethair—School Bd. plans 12-room brick school; tentative plans L. K. Frankel of Frankel-Curtis Co., 401 Hernando Bldg., Lexington.

La., Greenburg—St. Helena Parish School Bd., S. A. Calvit, Pres., complete Woodland School and build chemical and biological laboratory; also repair Montpelier School.

La., Independence—Independence School Dist. voted \$150,000 high school bonds. 4-19

La., Lake Charles—Calcasieu Parish School Dist. No. 22 votes June 5 on \$75,000 bonds.

La., New Orleans—Newcomb College Trustees plan Dixon Hall to include several music studios, classrooms, 20,000-volume library and auditorium to seat 1000 persons; \$300,000; Emile Weil, Inc., Archt., Whitney Bank Bldg.

La., New Orleans—Orleans Parish School Bd. received low bid at \$109,000 from Charles Gibert, Canal Bank Bldg., for alterations and 10-room addition to 2-story frame McCarthy School, N. Claiborne Ave.; A. E. Christy, Supvg. Archt. 5-3

La., St. Martinville—School Bd. soon let contract for high school to replace burned structure.

Miss., Brookhaven—Lincoln County considering vote June 1 on \$75,000 bonds for aiding in erection of Copiah-Lincoln Agricultural High School or Agricultural High School and Junior College at Wesson.

Miss., Collins—Lone Star Consolidated School Dist. receives bids June 1 for school; alternate bids on brick, conc. or frame building; plans at office Supt. of Education.

Miss., Columbia—Cedar Grove Consolidated School Dist., Marion County, erect building to replace burned structure; bonds voted. 4-19

Miss., Columbia—City considering issue \$25,000 bonds for erecting and repairing schools.

Okla., Enid—State Institute for Feeble Minded, W. L. Alexander, Supt., erect \$90,000 ward building.

Miss., Eru—School Bd. erect \$20,000 high school; bonds voted. 5-3

Miss., Jackson—Bd. of Education, H. V. Watkins, Chmn., receives bids May 31 for Davis School repairs; plans at office Claude H. Lindsley, Archt., Lamar Life Bldg.

Miss., Poplarville—School Bd. receives bids June 15 for \$30,000, one-story, rein. conc., brick and stone trim school; 5 classrooms and gymnasium, built-up comp. roof; plans at office N. W. Overstreet, Archt., Miss. Fire Bldg., Jackson.

Mo., Richmond Heights, St. Louis—Little Flower Parish, care Rev. J. A. Tammany, Boland Pl. and Gissler St., erect \$68,000, 2-story, brick and conc. school; Hellmuth & Hellmuth, Archts., 60 DeMenil Bldg.

Mo., St. Louis—Bd. of Education approved plans by Robert M. Milligan, Commr. of School Buildings, for \$390,000, 2-story, 23-classroom Kennard School, Potomac St. and Fairview Ave.; also \$340,000, 19-classroom Lindenwood School, Lindenwood Pl. and Mardel Ave. 3-29

N. C., Asheville—Buncombe County Bd. of Education called \$50,000 bond election in West Buncombe School Dist. for 6-classroom and gymnasium addition to school; A. C. Reynolds, West Buncombe School Supt.

N. C., Chapel Hill—University of North Carolina Trustees approved plans and start work about June 1 on \$160,000 classroom building; Atwood & Nash, University Archts.

N. C., Boone—Watauga County Bd. of Education erect high school.

N. C., Charlotte—Mecklenburg County Bd. of Education, Frank A. Edmonson, Supt., erect school in Providence township; Louis H. Asbury, Archt., 1514 E. Fourth St.; bids in.

N. C., Lincolnton—Lincoln County Bd. of Education erect school in Asbury Dist. to replace burned structure.

N. C., Wadesboro—Wadesboro School Dist., J. S. Webb, Chmn., receives bids May 30 for 2-story, brick, 10-room and auditorium school near Wadesboro; plans at office J. M. McMichael, Inc., Builders Bldg., Archt., Charlotte.

Okla., Prague—Bd. of Education, E. E. Long, Clk., receives bids about June 1 for \$25,000, brick, stone and hollow tile, one and two-story High School addition; Leonard H. Bailey, Archt., Colcord Bldg., Oklahoma City.

S. C., McClellanville—School Trustees, R. L. Morrison, Chmn., soon let contract for completing school building; \$10,000; James D. Benson, Archt., Charleston.

S. C., Rock Hill—Winthrop College, D. B. Johnson, Chmn., receives bids June 8 for erecting and heating extension to Library building, auditorium addition to Student Activities building, and tile flooring and wain-

scoting in kitchen; plans at office Edwards & Sayward, Archts., 101 Marietta St., Atlanta, Ga., and office Builders' Exchange, Columbia, S. C. Atlanta, Ga., and Jacksonville, Fla., and Asso. General Contractors of America Charlotte, N. C. 5-3

S. C. Saxon Mills, Spartanburg—Spartanburg County Bd. of Education, John G. Waters, Supt., erect \$60,000, one-story, 12-room school. 1-19

Tenn., Johnson City—School Bd., C. E. Rogers, Supt., plans \$60,000 Keystone School; \$23,000 North Side School addition; \$3500 for Douglas School. 1-19

Tenn., Murfreesboro—City Bd. of Education soon let contract to remodel Crichton Grammar School; \$12,000; also considering erecting \$30,000 school. 1-19

Tex., Austin—State Bd. of Control, Dr. H. H. Harrington, Chmn., soon call for bids for \$40,000, one-story and basement, brick and rein. conc. gymnasium at School for Deaf and Dumb; Giesecke & Harris, Archts., 207 W. Seventh St. 5-17

Tex., Austin—State Bd. of Control, R. B. Walthall, Chmn., receives bids May 31 for \$50,000, 2-story, 34x134 ft., dormitory and \$12,000, 32x40 ft. employees home addition at Austin State School; both brick, rein. conc., comp. roofs, stone trim, cement and terrazzo floors; H. F. Kuehne, Archt., 824 Littlefield Bldg. 5-17

Tex., Coleman—Bd. of Education erect 2-story addition to South Ward School and remodel West Ward School; \$38,000, brick and rein. conc.; T. J. Galbraith, Archt., 517 Slaughter Bldg., Dallas. 5-17

Tex., Corpus Christi—Corpus Christi Ind. School Dist., Geo. P. Blevins, Sec., soon call for bids for 2-story, brick and rein. conc. South Bluff Grade School; Hardy & Curran, Archts., Nixon Bldg.; Homer M. Matthews, Struct. Engr., 405 Bedell Bldg., San Antonio. 5-17

Tex., Cuero—School Bd., J. O. Dobbs, Pres., erect High School and Junior College building; \$125,000; T. J. Galbraith, Archt., Slaughter Bldg.; M. C. Kleuser, Archt., Republic Bank Bldg., both Dallas; bids in May 22. 5-17

Tex., Dickinson—Galveston County Bd. of Education, O. E. Kennedy, Supt., Galveston, erect one-story, brick and tile, Spanish type high school; R. R. Rapp, Archt., Guaranty Bldg., Galveston; \$60,000 bonds voted. 4-19

Tex., Madisonville—Madisonville Ind. School Dist. votes May 31 on \$88,000 high school bonds; Giesecke & Harris, Archts., 207 W. Seventh St., Austin and Houston. 5-17

Tex., Olton—Olton Ind. School Dist. votes May 26 on \$40,000 bonds for school; Peters, Haynes & Strange, Archts., Lubbock. 5-17

Tex., Plainview—Plainview Ind. School Dist. votes June 16 on \$100,000 school bonds; plans brick school at Portland and Quincy Sts., enlarging building at Seth Ward. 5-17

Tex., Pampa—Pampa Ind. School Dist. votes May 31 on \$125,000 bonds for 3 brick, stone or conc. ward schools. 5-17

Tex., San Antonio—St. Paul's Lutheran Church, Roseborough near S. Presa St., erect \$12,000, 33x85 ft., hollow tile and conc. school; Richard Vander Stratten, Archt., 603 Travis Bldg. See Want Section—Building Material and Equipment. 5-17

Tex., San Antonio—Alamo Heights School Bd., Albert Steves, Jr., Pres., received low bid at \$241,000 from San Antonio Construction Co., 701-2 Builders Exchange Bldg., for 19-classroom elementary school and 12-classroom Junior High School; both buildings brick, rein. conc. frame, hollow tile; Harvey P. Smith, Archt., Natl. Bank of Commerce Bldg. 5-3

Tex., Seguin—Lutheran College, Prof. C. Weeder, Pres., soon call for bids for \$30,000, 2-story, brick and hollow tile administration building annex; science laboratory, library, assembly hall, 3 classrooms; Marvin Eickenroht & Bartlett Cocke, Archt., Maverick Bldg., San Antonio. 5-3

Va., Alexandria—Bd. of Education, R. C. Bowton, Supt., received low bid at \$49,115 from Farmville Manufacturing Co., Farmville, for school at Russell Rd. and Mogan Pl., Rosemont; 6 classrooms and auditorium. 10-6-27

Va., Emory—Emory and Henry College, Dr. J. N. Hillman, Pres., erect administration building to replace structure burned at loss \$100,000; Stone & Stone, Archts., Bristol; Charles, Constt. Archt. 5-10

Va., Haysi—Dickenson County Bd. of Education, Clintwood, receives bids June 5 for \$20,000 Haysi High School and one-room school at Breeding. 5-10

Va., Norfolk—School Bd. receives bids May 28 for alterations to Lafayette School, Cottage Toll Rd.; also for heating and plumbing; plans at office Calrow, Browne & FitzGibbon, Archts. 2-23

Va., Rustburg—Campbell County School Bd., J. J. Fray, Div. Supt., receives bids June 1 for additions to Rustburg, Gladys and Naruna Schools. 5-3

Va., Shenandoah—J. F. Baumbardner, Town Clerk, receives bids May 28 for high school; plans at office H. B. Hanger, Div. Supt. of Schools, Luray. 5-3

W. Va., Barboursville—Morris Harvey College, C. W. Thornburg, Trustee, receives bids June 1 for 3-story, 45x204-ft. dormitory and 2½-story, 42x72-ft., Bible School; \$200,000; brick, stone trim, slate roofs; Meanor & Handloser, Archts., Professional Bldg., Huntington. 9-15-27

W. Va., Beckley—Raleigh County, Slab Fork School Dist., votes May 27 on \$140,000 bonds. 9-15-27

W. Va., Clay—Henry Independent Dist. Bd. of Education, G. W. McCune, Sec., receives bids June 2 for school building. 9-15-27

Stores

Ala., Mobile—S. H. Kress & Co., 115 Dauphin St., received bids May 26 for 2-story and basement, brick addition and remodeling present 2-story and basement brick store; \$100,000; C. C. Smith, Archt., 115 Dauphin St. 1-19

D. C., Washington—Col. H. C. Kramer erect \$15,000, 2-story cinder block and brick addition, 3035 Ellicott St. N. W. 5-17

D. C., Washington—Lewis W. Giles, 1200 U St. N. W., prepared plans for \$10,000 store and apartment, 212 Seventh St. S. E. 5-17

D. C., Washington—Claughton West, 1341 Connecticut Ave., N. W., prepared plans for 7 stores and dwellings, 5301-13 Georgia Ave.; \$45,000. 5-17

Fla., Brooksville—F. M. Massey, Mgr., Hernando County Dairy, S. Main St., erect building for stores and filling station; stucco finish. 5-17

Fla., Eustis—Garland Seaman erect \$35,000, 2-story brick store to be occupied by Eustis branch of Associated Five and Ten Cent Stores. 5-17

Ga., Griffin—S. W. Goldstein receives bids May 28 for 5-story and basement, 90x35-ft., rein. conc. store and office building; comp. roof, Indiana limestone or terra cotta trim, conc., tile and terrazzo floors, elevators; Frazier & Bodin, Archts., 614 Candler Bldg., Atlanta. 4-26

Ky., Louisville—Dant Bros., 1226 Inter-Southern Bldg., have permit for \$29,000 brick store, 1317-19 Bardstown road. 4-26

La., Ruston—Price Hardware and Furniture Co. erect one-story addition and remodel brick building on Railroad Ave.; elevator, mezzanine floor, fixtures. 4-26

BUILDING CONTRACTS AWARDED

Association and Fraternal

Mo., St. Louis—National Grand Council of Ancient United Knights and Daughters of Africa, 709 N. Compton St., erect \$25,000 brick building; 3 stories, 30x48 ft., tar and gravel roof, hot water heat; O. Stubblefield, Archt.; Bush & Stubblefield, Contrs., both 4328 Bell St. 5-17

Tex., Columbus—Independent Order of Odd Fellows erect lodge bldg.; brick and interlocking tile, 2 stories, 65x30 ft.; R. H. Reese, Contr., Eagle Lake. 5-17

Tex., Galveston—Scottish Rite Temple Assn., J. E. Mitchell, Chmn., Bldg. Comm., let contract to M. C. Bowden, 1801 C St., Galveston, for brick and stone temple, Church St., to replace structure burned at \$250,000 to \$300,000 loss; 3 stories; auditorium seat 700, stage, banquet or assembly hall, kitchen; Pilcher pipe organ; Alfred C. Finn, Archt., Bankers Mort. Bldg., Houston. 4-26

Bank and Office

Ala., Fort Payne—First National Bank let contract to Mr. Chitwood, Fort Payne, for \$12,000 building; brick and terra cotta, 50x90 ft., 1 story, foundation faced with marble; Bearden & Crutchfield, Archts., First Natl. Bank Building, Chattanooga, Tenn. See Want Section—Building Material and Equipment. 5-17

La., New Orleans—S. J. Schwartz & Co., Union Ind. Bldg., remodel building, 819-21 Gravier St., for broker's office; J. A. Haase, Jr., Contr., 916 Union St. 5-17

Md., Rockville—Farmers Banking and Trust Co. erect \$100,000 bank and office building, site present structure, Montgomery Ave. and Court St.; 2 stories; Tilghman Moyer & Co., Archts., Allentown, Pa. 5-17

Miss., Yazoo City—Robt. Hector Estate remodel Ideal Theater, S. Main St., for store. 5-17

Okla., Oklahoma City—George Davis, 425½ W. Sixth St., has permit for \$10,000, 2-story, brick store, W. Avenue C. 5-17

Tenn., Chattanooga—Mrs. Kate Wiehl, 405 Vine St., has permit for repairs to building, 619 Market St.; install elevators, lay conc. basement, new partitions; \$20,000. 5-17

Tex., Dallas—J. A. Alexander has permit for \$11,000 brick store, 110-112 S. Marsalis St. 5-17

Tex., El Paso—James L. Marr, 235 Penn. St., and associates, reported, planning \$200,000 theater, N. Piedras St. and Pershing Blvd., Five Points. 5-17

Tex., Harlingen—F. W. Gartner Co., Houston, erect branch house. 5-17

Tex., Houston—Walter H. Walne, Esperson Bldg., erect \$40,000, one-story, 125x125-ft., rein. conc. and brick building, Pease and Milam Sts.; Hedrick & Gottlieb, Archts., Post-Dispatch Bldg.; lease to Hargis Chevrolet Co. for sales and display rooms. 5-17

Tex., San Antonio—Isaac Bledsoe, 900 W. Woodlawn St., erect 1-story, 81x82 ft., brick, stone tile, conc., store, S. Alamo and Turner Sts.; Emmett T. Jackson, Archt., Builders Exchange Bldg.; bids in. 5-17

Tex., San Antonio—A. Cicchese, care L. Harrington Co., Archt., Builders Exchange Bldg., soon call for bids for 2-story, brick, stucco and conc. store and dwelling, Main and Pecan Sts.; comp. roof, wood floors. 5-17

Tex., San Antonio—Theodore Magott, 812 E. Commerce St., received low bid at \$17,704 from Fred Matthews for 1-story, brick, conc. store, E. Commerce St.; Leo M. J. Diemann, Archt., 306 E. Commerce St. 4-26

Tex., San Marcos—Bass & Son Drug Co. expend \$11,000 for improvements to building; plate glass windows and doors, stucco finish, new fixtures. 5-17

Tex., Dallas—Hall & Purse, Inc., 2015 Federal St., leased 6-story Orendorff Bldg., Jefferson and Elm Sts., and remodel for store. 5-17

Va., Richmond—Benj. T. Crump Co., 1309 E. Main St., J. M. Wyatt, Pres., remodel building at 1310-18 E. Franklin St. 5-17

Theaters

Ky., Lexington—M. Switow & Sons Enterprises, M. Switow, Pres., erect \$200,000 theater, 220 E. Main St.; seat 1000; Frankel & Curtis, Archts., Hernando Bldg. 5-17

La., Opelousas—Higginbotham Amusement Co., Baton Rouge, erect theater, Main and Bellevue Sts. 5-17

Tex., Laredo—Rob & Roley Theater Enterprises, 2009 Jackson St., Dallas, reported, erect \$200,000 theater; Spanish type. 5-17

Mo., Sedalia—Sedalia National Bank clearing site for \$70,000 bank bldg.; rein. conc. sub-structure, struct. steel, metal, lumber and conc., stone and brick, tile partitions, 2 stories with mezzanine, 27x91 ft., terrazzo, marble and cement floors, built-up roof; furnishings, equipment, etc., \$30,000; St. Louis Bank Building & Equipment Co., Archt., Contr., 906 Sidney St., St. Louis. 5-17

Tenn., Knoxville—Morris Plan Bank, 218 N. Gay St., let contract at \$56,000 to A. R. McMurry, 502 Island Home Ave., for brick, stone and conc. building, W. Clinch Ave.; 2 stories and basement, 30x109 ft., rubber tile floors, conc. foundation, comp. roof; Baumann & Baumann, Archts., 813½ Market St. 5-3

Tex., Amarillo—Panhandle & Santa Fe Railway Co., M. C. Blanchard, Ch. Engr., let contract at about \$900,000 to Brennan Construction Co., Amarillo, for \$1,500,000 general office bldg.; fireproof, 12 stories with 2 additional recessed stories, double conc. basement, 90x146 ft., comp. tile, cement and terrazzo floors, 6 ft. marble base, terra cotta face, granite, metal lath, hollow metal partitions, metal windows, skylights, fire escapes, elevators; plans by E. A. Harrison, Santa Fe System Archt., Rwy. Exch. Bldg., St. Louis, Mo.; excavation to McKnight Transfer, Livery & Sales Co., Amarillo; struct. steel contract previously noted let. 4-19

Tex., Corpus Christi—Kokernot-Nixon Properties, Inc., Nixon Bldg., erect 4-story addition to Nixon Bldg.; foundation to carry 4 additional stories, 190x90 ft. on first floor, 190x46 ft. above, brick, transfer elevators in present structure to annex; stores on first floor, sample rooms and cotton offices above; \$150,000; Hardy & Curran, Archts., Nixon Bldg.; Dougherty-Nichols-Young Construction Co., Contr. 5-17

Tex., Del Rio—First National Bank let contract at \$144,625 to L. T. Wright & Co., Bldrs. Exch. Bldg., San Antonio, for rein. conc., brick and stone bldg.; 6 stories, 50x87 ft., terrazzo and cement floors, comp. roof; Geo. Willis & Emmett T. Jackson, Archts., Bldrs. Exch. Bldg., San Antonio. 5-3

Tex., Houston—International Tile Co., 1420 McKinney St., has tile work contract for \$750,000 Houston National Bank bldg.; Hedrick & Gottlieb, Archts., Post-Dispatch Bldg.; Don Hall, Contr., Cotton Exch. Bldg. 3-1

Tex., San Antonio—Following sub-contracts let on \$3,000,000 Smith-Young Tower for Smith Brothers Properties, Inc.: Sheet metal and roofing, Sam Dean, 12 Riverside Drive; finish hardware, Peden Iron & Steel Co., 1401 S. Flores St.; tile and terrazzo, Kirkwood & Wharton, 436 Main St.; painting and decorating, F. Hensel Co., Exch. Bldg.; metal lathing and sidewalk lights, A. Salisbury, Bldrs. Exch. Bldg.; plastering, John P. Healey; masonry, Cotter Bros.; toilet partitions, Vitrolite Construction Co., all San Antonio; conc. forms, Elmer Sigler Co., 301 Security Bldg., Kansas City, Mo.; marble, Vermont Marble Co., 1513 Wall St.; steel stairs, Weaver Ornamental Iron Co., 1807 Carter St.; misc. iron and steel, R. J. DeWees Co.; orna. iron, Universal Building Products Co., both Slaughter Bldg.; kalamain doors and trim, Gilbert Manufacturing Co., Marvin Bldg.; sprinklers, Martyn Bros., 2404 Swiss St., all Dallas, Tex.; orna. bronze, A. J. Bayer Co., Los Angeles, Calif.; Atlee B. & Robt. M. Ayres, Archts., Bedell Bldg.; McKenzie Construction Co., Contr., 716 Travis Bldg., both San Antonio; steel work under way by Walter DeFreres Co., St. Paul, Minn. 4-5

Tex., Waco—Central Texas Iron Works, 2125 Webster St., has contract for 220 struct. steel for \$400,000 Medical Arts Bldg., for C. L. Benson, Shreveport, La.; C. L. Shaw, Contr., 767 S. Lamar St., Dallas. 3-1

W. Va., Weston—Citizens Bank, H. G. Buhl, Vice-Pres., let contract to Tilgham Moyer Co., Allentown, Pa., for bank building, Maine Ave. and W. Second St.; Indiana limestone, steel, bronze, conc. and marble, 48x86 ft., vaults. 3-1

Churches

Ala., Foley—St. Paul's Episcopal Mission let contract to A. H. Mueller for parish house; Frank Lockwood, Archt., 119 Adams St., Montgomery. 5-17

Ark., Plumerville—Methodist Church, Rev. J. L. Rowland, Pastor, let contract to Will Wilbanks and Art Boland for \$10,000 building to replace burned structure. 5-17

Ga., DeKalb—Protestant Episcopal Church started work on first unit of building, E. Ponce de Leon Ave. and Oak St.; Wm. Alden, Contr. 5-17

Ga., Savannah—Baptist Church let contract to U. J. Bacon for \$10,000 building; brick and stone, 1 story and basement, conc. and wood floors, built-up roof; Levy & Clarke, Archts., Blun Bldg., Savannah. 5-17

Miss., Pachuta—Smith & Crompton, Bay Springs, have contract for church. See Want Section—Building Material and Equipment. 5-17

Mo., St. Louis—Gordon-Horen Realty Co., 906 N. Grand Blvd., has contract for brick church; 1 story, 31x60 ft., hardwood floors, shingle roof, stone trim, hot air heat; seat about 250; Jos. D. Standish, Archt., 7219 Lyndover Ave. 5-17

N. C., Shelby—First Baptist Church, C. C. Blanton, Chmn., Bldg. Comm., receives bids May 31 for Sunday school; \$100,000; 3 stories, 75x85 ft., brick and stone, slate roof, steam heat; furnishings, equipment, etc., \$10,000; remodel main auditorium; Hugh White, Archt., Third Nat'l Bk. Bldg., Gastonia. 1-26

Tex., Brady—Church of Christ let contract for \$20,000 building to Harrison & Son; rein. conc. and hollow tile, 1 story, metal and Spanish tile roof; Will N. Noonan Co., Archt., Bldrs. Exch., San Antonio. 12-15

Tex., Plainview—Church of the Nazarene erect \$25,000 bldg., Seventh and Denver Sts.; 1 story and basement, 50x70 ft.; plans by Geo. Cox; work under supervision of R. L. Newton. 5-17

Va., Charlottesville—University Baptist Church erect \$161,000 church and Sunday school, W. Main St.; 3 stories, conc., comp. and wood floors, conc. foundation, slate and built-up roof; furnishings, equipment, etc., \$25,000; H. L. Cain, Archt., Grace Securities Bldg., Richmond, Va., and 1718 Cherry St., Philadelphia, Pa.; Charlottesville Lumber Co., Contr., Charlottesville. See Want Section—Building Material and Equipment. 5-17

Va., Roanoke—First Presbyterian Church, C. G. Lindsey, Chmn., Finance & Bldg. Com., let contract to D. J. Phipps, Boxley Bldg.,

for \$250,000 church and Sunday school, Wellington Ave. and McClanahan St.; Louis Philippe Smithy, Archt., 112 Kirk Ave., Roanoke; Meyer & Mathieu, Conslt. Archts., 316 Flatbush Ave., Brooklyn, N. Y. 1-19

W. Va., Princeton—First Church of Christ, Disciples, erect \$53,500 Sunday school unit, Straley Ave.; 3 stories, 40x110 ft.; stage, kitchen; Alex Mahood, Archt., L. C. Bldg., Bluefield, W. Va.; A. F. Wickes, Conslt. Archt., 5833 Bartmer St., St. Louis, Mo.; W. P. Winfrey, Bluefield Rd., Princeton, in charge of constr. 5-17

City and County

Fla., Jacksonville—Duval County Bd. of Commrs. let contract at \$31,900 to H. S. Baird, 3658 Oak St., for first unit of Parental Home; Jefferson D. Powell, Archt., Prof. Bldg. 5-10

Ky., Munfordville—Hart County Court let contract to Jenkins Essex Co., Elizabethtown, for \$50,000 courthouse to replace burned structure; T. J. Nolan, Archt., Norton Bldg., Louisville. 1-12

S. C., Pickens—Pickens County Bd. of Commrs. let gen. contract for \$20,000 jail to J. H. Hayes, Greenville, S. C.; cell work, Manly Jail Works, Dalton, Ga.; rein. conc., 2 stories, 50x40 ft., rein. conc. floors, conc. foundation, gravel roof over cork; F. H. & J. G. Cunningham, Archts., Greenville. 5-10

Tex., Houston—City let contract to Tellepsen Construction Co., 3900 Clay St., for superstructure of \$1,000,000 Farmers' Market; \$350,000; plans by J. C. McVea, City Engineer. 4-19

Tex., Pittsburg—Camp County Commrs. Court let contract at \$78,000 to Wentzell & Woods, Sherman, for rein. conc. courthouse; fireproof, slab floors and roof, 4 stories, 65x70 ft., terrazzo and cement floors, 20-year tar and gravel roof, conc. foundation; Smith & Praeger, Archts., Paris, Tex.; heating, plumbing, wiring and furniture included in gen. contract. See Want Section—Building Material and Equipment. 5-3

Tex., San Angelo—Wilhide-Speakman Equipment Co., 1914 Main St., Dallas, has steel furnishings contract at \$6990 for \$300,000 Tom Green County courthouse. 4-26

Dwellings

Ala., Montgomery—Mrs. E. R. Burton, 56 Jeff. Davis Ave., erect 2 dwellings, S. Hull St.; frame, 1 story, comp. roof; \$10,000; R. S. Harris, Contr., Box 1276. 5-17

Ala., Birmingham—V. H. Wilson, 920 Valley Rd. Pl., erect \$10,000 residence, S. Cahaba and Boswick Rds.; brick veneer, 2 stories, 38x33 ft., asbestos roof; day labor. 5-17

Ala., Birmingham—R. L. Orr, care W. A. Gilmore, Contr., 1426 N. Eighth Ave., erect \$10,000 residence, S. Overlook Circle; brick veneer, 1 story, 50x46 ft., tile roof. 5-17

Ala., Birmingham—J. H. Riggins, care H. D. Breeding, Archt., 110 N. 21st St., let contract to C. P. Gillespie, Tarrant City, for \$12,000 residence, 82nd St. and Roebuck Blvd.; brick, 1 story, 51x34 ft., tile roof. 5-3

Ala., Birmingham—W. G. Tyler and associates, 2177 Highland Ave., erect \$12,000 dwelling, Arlington Ave. and 24th St.; brick veneer, 2 stories and basement, 47x34 ft., comp. roof, furnace heat; Jacob E. Salie, Archt.; Holmes Construction Co., Contr., both Exch. Bldg. 5-17

Ala., Hollywood—F. L. McGinnis, 217 Munger Drive, Birmingham, erect \$10,000 residence; hollow tile and stucco, 1 story, 35x45 ft., tile roof; Jacob E. Salie, Archt., 503 Exch. Bldg.; day labor. 5-17

Ala., Birmingham—Mountain Brook Estates, care Jamison & Co., 221 N. 21st St., erect \$20,000 dwelling; brick veneer, 2 stories and basement, tile roof, hot air heat; J. C. Halstead, Archt., 502 Lincoln Life Bldg. 5-17

D. C., Washington—Cafritz Construction Co., 1400 K St., N. W., has permit for 12 brick dwellings, 4907-29 Kansas Ave., N. W.; 2 stories; \$85,000; owner builds. 5-17

Fla., Coconut Grove, Miami—N. M. Sharpe, care C. LeRoy Kinports, Archt., 3597 Kumquat Ave., let contract at \$16,300 to O. M. Bristol, 2045 N. W. Fourth St., Miami, for residence, Collins Ave. and 36th St. 5-10

Fla., Daytona Beach—E. L. King, 1235 S. Atlantic Ave., plans residence; T. K. Appar, Contr., N. Peninsular Drive. 5-17

Fla., Jacksonville—Mrs. Lena Wernkoff, 2710 Phoenix St., erect \$20,000 residence, Roselle St. near Copeland St.; brick veneer, 2 stories; F. F. Myers, Contr., 13th and Talleyrand Sts. 5-17

Ga., Augusta—John M. Dwyer, Grouse Point, Mich., let contract, \$36,000, to H. B. Nelson Construction Co. for Colonial frame residence; 2 stories and basement, hardwood

floors; Scroggs & Ewing, Archts., S. F. C. Bldg., both Augusta; lately noted under S. C., Aiken. 4-5

Ga., Atlanta—D. C. Stripling, A. E. Stubblebine, 380 Jones Ave., N. W.; W. D. Cantrell, 1158 Donly Ave., S. W., and C. R. Armour each erect residence; F. P. & Geo. J. Morris Co., Contrs., 76 Pryor St., N. E. 5-17

Ga., Atlanta—H. W. Dillin, 904 Healey Bldg., erect 2 brick veneer dwellings, 1575 Piedmont Ave., N. E., and 590 Sherwood Rd., N. E.; 1½ stories, hardwood floors, comp. roof, steam heat; \$20,000; owner builds. 5-17

Ga., Augusta—F. A. Gibson & Co., 912 Ellis St., has hot water heating and plumbing contract for \$115,000 residence for Winthrop Rutherford; roofing, Augusta Roofing Co., 529 Broad St.; linoleum, Treadlite and quarry tile floors, Ideal Tile and Mantle Co., 456 Broad St., all Augusta; elect. work, Byck Electric Co., 139 Bull St., Savannah; millwork, Gresham Manufacturing Co., Griffin; struct. and rein. steel, Southern Engineering Co., Dowd Rd., Charlotte, N. C.; Scroggs & Ewing, Archts., S. F. C. Bldg., Augusta; Peabody, Wilson & Brown, Asso. Nelson Construction Co., Contr., P. O. Box Archts., 140 E. 30th St., New York; H. B. 448, Augusta. 5-17

Ga., Atlanta—R. L. Burkes erect \$12,000 duplex, 26th St. N. E.; brick veneer, 2 stories, 12 rooms, 2 baths, hardwood floors, comp. roof, hot air heat; day labor. 5-17

Ga., Atlanta—G. F. Turner, 645 Seminole Ave. N. E., erect 3 frame dwellings, 273-77-81 Green St. N. E.; 2 stories and basement, hardwood floors, comp. shingle roofs; \$12,000; owner builds. 5-17

Ga., Atlanta—Wm. Abbott, Jr., Supt., Ford assembly plant, erect residence, Stillwood Drive; F. P. & Geo. J. Morris Co., Contrs., 76 Pryor St., N. E. 5-17

Ga., Atlanta—Prof. R. L. Doyle, care Boys' High School, erect residence, Garden Hills; F. P. & Geo. J. Morris Co., Contrs., 76 Pryor St., N. E. 5-17

Ga., Atlanta—A. G. Martin, Prin., Jos. E. Brown Junior High School, erect residence, Gordon Rd.; F. P. & Geo. J. Morris Co., Contrs., 76 Pryor St., N. E. 5-17

Ga., Savannah—T. A. Waters, 14 W. Bryan St., erect Colonial residence, 45th and Paulsen Sts.; rough face brick, 2 stories; Cletus W. Bergen, Archt., Liberty Bank and Tr. Bldg.; R. W. Boyd, Contr., 317 W. 37th St. 5-17

La., Mansfield—Dan Steiner erect residence, Monroe and Cale Sts., Williams subdivision; R. L. Bufkin, Contr. 5-17

La., New Orleans—F. R. Gatti, Contr., 842 Taft Place, erect 2 duplexes, 822-24 Broadway and Pritchard Place near Fern St.; 2 stories. 5-17

La., New Orleans—Shoreland Development Co., Inc., and Edgelake Lands, Inc., 831 Gravier St., erect 2 dwellings, Curran Blvd. and Zenith St.; \$14,000; Hortman-Salmen Co., Inc., Contr. 5-17

La., New Orleans—L. D. Boule, Contr., 2632 Piety St., erect single dwelling. 5-17

La., New Orleans—R. Terrell Perkins, 821 Perdido St., erect \$10,000 single raised residence, Versailles Blvd. near S. Claiborne Ave.; brick, slate roof; Paul G. Charbonnet, Contr., 830 Union St. 5-17

Md., Baltimore—A. D. Alban, Holder Ave., erect 6 frame dwellings, 3206-16 Wisteria Ave.; 1½ stories, 22x32 ft., hot water heat; \$18,000; Edgar O. Bauer, Archt., Furley Ave.; owner builds. 5-17

Md., Baltimore—Carey R. Wilson, 25 South St., let contract to Major Engineering Co., Preston St. and Guilford Ave., for \$20,000 residence, 4618 Springlake Way, Homeland; stucco, 2½-story, 65x57 ft., slate roof, hot water heat; Fredk. Thomas, Archt., 726 E. 33rd St. 5-10

Md., Baltimore—Keystone Court Co. erect \$18,000 residence, 4201 Underwood Rd.; 47x71 ft.; Palmer & Lambdin, Archts., 513 N. Charles St.; Edgar A. Levi, Contr., 909 North Ave. 5-17

Md., Baltimore—John L. Tregallas, Inc., 10 E. Fayette St., erect 2 dwellings, 290-12 Oakland Ave.; stucco, 1½ stories, 24x30 ft., hardwood and pine floors, cement foundations, asphalt shingle roofs; \$10,000; Bernard Evander, Archt., 20 E. Lexington St.; owner builds. See Want Section—Building Material and Equipment. 5-17

Md., Baltimore—Lydia H. Downing let contract to J. S. Downing, 2609 Greenmount Ave., for \$12,000 residence, 4702 St. Albans Way; brick, 2½ stories, 31x67 ft., slate roof, vapor heat; Palmer & Lambdin, Archts., 513 N. Charles St. 5-17

Md., Baltimore—Lawrence Awalt, Arborton Ave., let contract to Thos. Smart, 1104 Union Ave., for 15 dwellings, 2600 block Hollins Ferry Rd.; brick, 2 stories; \$30,000. 5-3

Md., Baltimore—P. G. Lang, 4222 Ridge-wood Ave., let contract to C. L. Jarvis, 3806 Woodbine Ave., for \$12,000 residence and garage, 117 Taplow Rd.; brick, 2 stories, 38x26 ft. and 18x17 ft., slate roof, hot water heat; Lewis & Westenhaver, Archts.

Md., Baltimore—R. B. Construction Co., Granada Ave., erect 19 brick dwellings, 3001-37 Spruce Rd.; 2 stories, 14x46 ft., slag roofs; \$55,000; Geo. Wessel, Archt., 601 W. 40th St.; owner builds. 5-17

Md., Baltimore—Robt. Karl, 2015 N. Wolfe St., erect \$10,000 brick residence, 2401 Kentucky Ave.; 1½ stories, 48x48 ft., slate roof, hot water heat; L. B. Ritter, Archt., 1079 Ellicott Driveway; C. K. Wells, Jr., Contr., 3558 Old York Rd.

Md., Baltimore—Sherwood & Welsh erect \$10,000 dwelling, 209 Paddington Rd.; 2 stories, 22x47 ft., slate roof, hot water heat; Palmer & Lambdin, Archts., 513 N. Charles St.; Edw. A. Cullings, Contr., 692 Gladstone Ave.

Md., Baltimore—Elias C. Hobbs, 4229 Potter St., erect semi-bungalow, St. Charles Ave., Ridgewood; Harry C. Stengel, Contr., 2 E. Lexington St.

Md., Baltimore—E. J. Gallagher Realty Co., Munsey Bldg., erect 10 brick and stucco dwellings, 900 block E. 39th St.; \$40,000; owner builds.

Md., Baltimore—John Welsh, 11 E. Fayette St., erect 13 brick dwellings, 1408-22 Gorsuch Ave., after plans by Geo. Wessel, Archt., 601 W. 40th St.; 2 stories, 19x30 ft., slag roofs; \$40,000; owner builds.

Md., Baltimore—Wm. C. Gay, 805 McCabe Ave., erect 2 dwellings, 3804-3902 Juniper Rd.; after plans by Lewis & Westenhaver; stucco, 2½ stories, 40x32 ft. and 38x29 ft.; \$19,000; owner builds. 5-17

Md., Baltimore—John J. Hurst, 7 St. Paul St., erect 3 dwellings and garages, 3401-05 Parkington Ave.; frame, 26x30 ft. and 24x24 ft., 1 and 2 stories, shingle roofs, steam heat; \$10,000; J. K. Vickers, Archt., 706 Gladstone Ave.; owner builds.

Md., Baltimore—Philip S. Morgan & Co., Inc., 514 St. Paul Place, erect stone dwelling, 4711 Springlake Way; 10 rooms, 3 baths; Cyril H. Hebrank, Archt., 3 E. Lexington St.; owner builds.

Mo., Clayton, St. Louis—W. D. Gladney, 3526 West Place, erect 3 brick dwellings, Greenway, Beverly Hills; 22x36 ft.; owner builds.

Mo., Kansas City—A. J. King Realty Co., 12 E. Ninth St., Myron King, Pres., plans additional 30 dwellings, connection with development Highway No. 71.

Mo., Richmond—Wm. Mayfield started work on \$15,000 residence, E. Main St.

Mo., Clayton, St. Louis—John S. Swift, Ninth and Walnut Sts., let contract to Clifford B. Godwin, 440 Melvale St., for \$60,000 residence, W. Brentmoor; brick, 2 stories and basement, about 125x50 ft., oak floors, slate roof, stone trim, vapor heat, incinerator; Chester H. Walcott, Archt., 1510 Tribune Bldg., Chicago, Ill. 4-26

Mo., St. Louis—C. H. Collier, 3733 Humphrey St., erect \$12,000 residence, 3573 Kingshighway; brick, 2 stories, 35x40 ft., slate roof; C. A. Koenig, Archt., 2036 Russell St.; C. W. Schuler & Co., Contr., 2858 Texas St.

Mo., St. Louis—A. R. & H. L. Darr, 4300 Dewey St., erect \$10,000 dwelling and garage, 3805 Kingshighway; brick, 2 stories, 42x32 ft., slate or tile roof; F. M. Avis, Archt., 1021 Big Bend Rd.; A. R. Darr Construction Co., Contr., 4300 Dewey St.

Mo., St. Louis—F. L. Deickermann, 6009 Tennessee Ave., erect \$12,000 brick duplex, 6508 Chamberlain Ave.; 2 stories and basement, 19x54 ft., hardwood floors, tile bath, slate surface shingle roof, steam heat; Chas. H. Breitschuh, Archt., 3508 Humphrey St.; owner builds.

Mo., St. Louis—J. T. Mahon, 5924 West Park, erect \$12,000 brick residence; 2 stories and basement, 28x30 ft., hardwood floors, comp. shingle roof, tile bath, hot water heat; C. Milburn, Archt., 3808 Forest Ave.; owner builds.

Mo., St. Louis—J. W. Miller, 5329 Robert Ave., erect 6 brick dwellings, 5400 and 5500 blocks Finkman Ave.; 1 story and basement, 27x45 ft., tile bath, hardwood floors, comp. shingle roof; owner builds.

Mo., St. Louis—E. G. Sedivec, 3451 California Ave., erect \$10,000 brick residence, 3918 Meramec St.; 1½ stories and basement, 33x24 ft., hardwood floors, stone foundation, rubberole shingle roof, tile bath; owner builds.

Mo., St. Louis—Southwest Investment Co., 5139 Shaw Ave., erect 2 dwellings, 4976-78 Reber Pl.; brick, 1 story and basement, 27x38 ft., hardwood floors, comp. shingle roof, tile bath, warm air heat; \$12,000; Sidney

Stokes, Archt., 6117 Adelaide Ave.; Rau Realty Co., Contr., 4948 Southwest Ave.

Mo., St. Louis—W. M. Volland, 2451 Gothland St., erect 3 brick dwellings, 6442-50-58 Oleatha St.; 1 story, 24x30 ft., comp. shingle roofs, hot air heat; \$10,000; S. T. Stires, Archt., 4109 Page St.; owner builds.

Mo., University City, St. Louis—M. C. Balensiefer, 5414 Arlington Ave., erect \$15,000 brick residence, 7222 Stanford Ave.; 2 stories and basement, 37x31 ft., hardwood floors, slate roof, hot water heat; L. J. Graham, Archt., 4885 Natural Bridge Ave.; Wm. Meyer & Sons, Contr., 2026 DeSoto Ave.

Mo., University City, St. Louis—Wm. Dor-sam, 5945 Cote Brillante, erect \$10,000 residence, 7275 Stanford Ave.; brick, 1½ stories and basement, 41x27 ft., hardwood floors, tile roof and bath, hot water heat; John M. Mueller, Contr., 2330 Russell Ave.

Mo., University City, St. Louis—Alfred W. Pauley, care J. Chas. Mueller & Son, Contrs., 3518 Hebert St., erect \$25,000 brick residence, 561 Purdue Ave.; 2½ stories and basement, 39x38 ft., hardwood floors, tile bath, slate roof, hot water heat; Milton H. Flink, Archt., 7619 Shirley Drive, Clayton.

Tenn., Memphis—Max Layne, 225 Hawthorne St., let contract for \$15,000 duplex, Jefferson Ave. near Edgewood St., to F. E. Meacham; brick veneer, 2 stories and basement, about 36x62 ft., oak floors, tile baths, steam heat; Estes W. Mann, Archt., Cotton Exch. Bldg. 4-26

Tex., Austin—Aaron Gorton let contract for \$10,000 residence to Gordon Roberts, 2218 Leon St.; stucco, 1 story, asbestos shingle roof, tile bath; Edwin C. Kreisle, Archt., Scarbrough Bldg. 5-3

Tex., Austin—Ed. R. Harrell, 305 E. 38th St., let contract at \$14,963 to Claude Tra-week, 701 Highland St., for brick veneer residence; hardwood floors, asbestos shingle roof; Edwin C. Kreisle, Archt., 803 Scarbrough Bldg. 5-3

Tex., Dallas—Harvey T. McQueen, Bldr., plans number dwellings, Highland Park West, in addition to those under constr.; Fonzie E. Robertson, Archt., Republic Bk. Bldg.

Tex., Houston—Mrs. Mary Moody let contract for \$14,000 residence, 2002 Rosewood St., to Henry H. Yates, Humble Bldg.; brick veneer, 2 stories and basement, 7 rooms, 3 baths; work under way.

Tex., Houston—Meadowbrook Development Co., C. E. McCormick, Sales Mgr., plans number of dwellings in addition to 10 brick veneer under construction, Meadowbrook.

Tex., McAllen—W. L. Hart let contract at \$15,965 to L. L. Davis for hollow tile and stucco residence; 1 story and basement, 12 rooms; A. H. Woolridge, Archt.

Tex., San Antonio—Guarantee Building Co., 317 Travis St., erect 20 dwellings, 1400 and 1600 blocks Rosewood, 106-14 Haggin and 1306 Woodlawn Sts.; frame, stucco, 5 rooms; \$44,000; owner builds.

Va., Petersburg—Muhleman & Kayhoe, Inc., erect 6 dwellings, Westover Park; frame and stucco, brick foundations, 2 stories, 28x30 ft., slate or tile roof; \$60,000; W. Harry Pringle, Archt., all 505 E. Franklin St., Richmond. See Want Section—Building Material and Equipment. 5-17

Government and State

Va., Norfolk—Virginia Truck Experimental Station, Diamond Springs, let contract for \$30,000 laboratory and office bldg. to Myers & Myers, 110 W. 25th St.; fireproof, brick, 2 stories and basement; Philip B. Moser, Archt., Law Bldg. 5-17

Hospitals, Sanitariums, Etc.

N. C., Huntersville—Mecklenburg County, R. N. Hood, Chmn., Courthouse, let contract for \$30,000 children's annex to Ritch & Lawing, 1411 Wilmore Drive; Louis H. Asbury, Archt., 1614 E. Fourth St., all Char-lotte. 5-10

Tex., Laredo—Mercy Hospital let contract at \$41,579 to August A. Fuessel, 1903 Virginia Blvd., for \$80,000 addition; brick, tile, cast stone and rein. conc., 3 stories, 64x45 ft., wood, tile and comp. floors; M. S. Ryan, Archt., Wilcox Bldg. 5-17

Hotels and Apartments

Ala., Birmingham—Mrs. Bessie J. White and N. H. Waters, 1915 Avenue E., Ensley, erect 3-story and basement, 152x96 ft., brick apartment, Highland and Niazuma Aves.; stone trim, built-up roof, steam heat; Thos. C. Brasfield, Contr., 5108 Gary Ave., Fair-field; Denham & Denham, Archts., 1220 Comer Bldg.

Ark., Little Rock—M. F. Lawing & Co., 4817 T St., have permit to erect \$40,000 apartment, 711 Arch St., for W. R. Donham, Rector Bldg.

Fla., Daytona Beach—H. M. Griffin, Archt., 512½ Main St., erect \$15,000, 11-apartment on Ocean Ave.; E. R. Willey, Contr.

Fla., Tampa—J. M. Harvey Investment Co., J. M. Harvey, Pres., 719½ Florida Ave., erect \$100,000, 190x103-ft., 2-story and basement, brick, conc. and steel hotel, Lafayette and Water Sts.; E. W. Parker, Contr., 305 Cass St.; Merton M. Mann, Archt., 112 Cass St.; R. E. Jessen, Asso. Archt. 3-20

Ga., Atlanta—O. T. Hennessee, 683 Juniper St., N. E., erect \$15,000, 2-story and base-ment, brick veneer apartment, 936 Juniper St., N. E.; owner builds.

Ga., Atlanta—W. N. Tumlin, 1221 Gordon St., S. W., has permit for \$10,000, 2-story and basement, brick veneer apartment, 769 Law-ton St., for W. C. Suttanfield, 1119 Matthews St., S. W.; hot water heat, comp. shingle roof, hardwood floors.

Ga., Atlanta—Clifton C. Cooper, 149 Cur-rier St., N. E., erect \$75,000, 2-story and basement, brick veneer apartment, 799 Ar-gonne Ave.; comp. roof, conc. and hardwood floors, stone trim, steam heat; owner builds.

Ky., Paducah—Adolph Well, Rhodes Apt., and A. L. Parker, Memphis, Tenn., let con-tract to B. E. Buffalo & Co., 658 East St., Memphis, for 10-story Irvin Cobb Hotel; English type, steel, rein. conc., brick and stucco; 200 rooms; mechanical work, \$125,000; J. W. Hull Plumbing & Heating Co., 1144 Madison St., Memphis; Walter W. Ahlschlager, Archt., 65 E. Huron St., Chi-cago. 3-9

La., Alexandria—Mutual Home and Invest-ment Co., L. J. Hakenyos, let contract to Hayden Investment Co. for 3-story, 60-room Evangeline Hotel, Fourth and Johnston Sts.; leased by C. E. McGraw.

Mo., Kansas City—G. M. Baltis Construc-tion Co., 6119 Brookside St., has permit for \$20,000 apartment, 4631-33 Madison Ave.

Mo., Kansas City—Harry E. Fisher, 5345 Ward Parkway, erect 10-story, fireproof, brick and terra cotta apartment hotel, 1212 Linwood Blvd.; 38 apartment suites, 40 lin type rooms, central radio receiving station in every suite; Mrs. Nellie E. Peters, Archt., 1006 Orear-Leslie Bldg.

Mo., St. Louis—Clover Leaf Realty & In-vestment Co., 5870 Highland St., erect \$29,000, 3-story, 56x64-ft. brick tenement, 6218 Southwood St.; comp. roof, hot water heat; N. Goldstein, Contr., 5870 Highland St.; O. J. Popp, Archt., 1528 Arcade Bldg.

Mo., St. Louis—M. M. Marget erect \$25,000, 2-story, 34x121-ft. brick tenement, 3803 Kossuth St.; asphalt roof, hot air heat; Gor-don Horen Realty Co., Bldr., both 906 N. Grand St.; O. J. Popp, Archt., Arcade Bldg.

Mo., St. Louis—A. P. Richardson erect \$10,000, 2-story, 34x50-ft. brick tenement, 5233-35 Itaska St.; comp. roof, warm air heat; Richardson Building Co., Contr., both 5200 Nottingham St.

Mo., St. Louis—M. P. Will, 4372 Gannett St., erect two 2-story, 28x44-ft. brick tene-ments, 4230-34 Ellenwood St.; \$12,000; comp. roofs, hot air heat; owner builds.

Mo., St. Louis—A. Krueger, 3344A Virginia St., erect \$10,000, 2-story, 35x50-ft. brick tene-ment, 4243-45 Ellenwood St.; comp. roof; J. R. Leonard, Bldr., 4234 Chippewa St.

Mo., St. Louis—P. Wellpott, 3620 Phillips St., erect \$10,000, 2-story, 26x45-ft. brick tenement, 4854 Penrose St.; comp. roof, hot water heat; A. Hess, Bldr., 3620 Phillips St.; T. P. Barnett, Archt., Arcade Bldg.

Mo., St. Louis—Hotfelder Realty and Building Co., 4404 Natural Bridge Ave., ex-cavating for 3 apartments, 2535-41 University Ave.; \$40,000, 2 stories and basement, 34x46 ft., brick; comp. roofs, hardwood floors; O. J. Popp, Archt., 1528 Arcade Bldg.

Mo., St. Louis—D. M. McNamara, 4616 Lin-dell Blvd., soon start work on \$16,000, 34x43 ft., 2-story and basement, brick apartment, 5840-42 Lillian Ave.; O. J. Popp, Archt., 1528 Arcade Bldg.; owner builds.

Mo., University City, St. Louis—M. Napier, care Russell Conzelman, Archt., 312 Calumet Bldg., excavating for 2-story and basement, 50x76 ft., brick apartment, 7260 Pershing Ave.; B. J. Charleville, Contr., 312 Calumet Bldg.

N. C., Durham—Dr. B. U. Brooks, First Natl. Bank Bldg., erect 3-story, 30x70 ft., office and apartment, Chapel Hill and Greg-son Sts.; rein. conc. and brick; Consolidated Construction Co., Contr., 418 Cleveland St.

N. C., Raleigh—Capital Construction Co. let contract at \$175,000 to John W. Hudson, Jr., Tarboro, for 10-story, 50x70-ft., rein.

conc. addition to Sir Waiter Hotel; 104 rooms, built-up roof; furnishings and equipment, \$50,000. 5-17

Okla., Enid—O. W. Reckengale erect \$20,000, 2-story and basement, 40x51 ft., brick veneer apartment; owner, Archt.-Bldr. 5-17

Tenn., Nashville—H. and A. Silverman, 2d Ave., N., completed foundation for \$18,000, 2-story, 50x62 ft., brick veneer apartment, 26th and Kensington Aves.; comp. shingle roof, wood floors; J. T. Dugger, Jr., Contr., Fairwin Ave.; Welby N. Pugin, Archt., 139 Sixth Ave., N. 5-10

Tex., Brownsville—Rev. E. P. Day, Pastor, Presbyterian Church, erect \$25,000, 2-story 8-apartment; S. W. McKenzie, Contr. 5-10

Tex., Brownsville—J. M. Nix, Pres., El Jardin Hotel Co., 205 E. Travis St., San Antonio, erect 100x45-ft. banquet hall; Homer M. Fitch, Contr.; Henry T. Phelps, Archt., Hicks Bldg., San Antonio. 5-10

Tex., Houston—J. R. Praytor let contract at \$20,084 to George W. Vaughan, Second Nat'l Bk. Bldg., for 2-story, 50x125-ft., brick, conc. and stone trim hotel, 1212 Bell St.; F. V. McDaniel, Archt., 647 Kress Bldg. 5-10

Tex., Santa Anna—Cameron Hotel System, T. E. Smith, Belton, let contract to A. O. Marinich Co., 134 N. Oaks St., San Angelo, for \$100,000, 3-story, 75x100-ft., brick, steel and rein. conc. fireproof hotel; John C. Becker, Archt., San Angelo. 5-10

Tex., San Antonio—H. J. Shearer & Co., Travis Bldg., expending \$150,000 for 3-story addition and improvements to Hutchins Hotel, S. St. Mary's and Nueva Sts.; decorating, Doyle Decorating Studio, Inc., 1107 Main St.; electric, Wright Bros., 405 Main St.; plumbing, Martin Baum, 926 E. Commerce St.; re-furnishing, Household Furniture Co., 232 W. Commerce St.; Adams & Adams, Archts., Bldrs. Exch. Bldg. 5-10

Va., Charlottesville—Altamont Apartments, Inc., let contract to The Wilson Co., Room 306 National Bank Bldg., for \$160,000, 5-story and basement, brick, fireproof, 24-apartment; Carl M. Lindner, Archt., State Planters Bank, Richmond. See Machinery Wanted—Building Material and Equipment. 5-10

Va., South Boston—South Boston Hotel Corp., J. E. Galleher, Pres., 1007 E. Main St., excavating for \$115,000 Hotel South Boston; 4 stories, fireproof; J. R. Jones & Conquest, Inc., Contrs., 1001 E. Main St.; heating and plumbing, Filler & Priddy, Westhampton Ave.; electric, Stringer Electric Co., 517 E. Main St.; Lee, Smith & Vendervort, Archts., Builders Exchange, all Richmond. 4-19

Miscellaneous

Fla., Jacksonville—Parental Home Bd. and Duval County Commrs. let contract at \$31,900 to H. S. Baird, Atlantic Nat'l Bank Bldg., for 2-story and basement, 88x35 ft., brick building near Jacksonville; wood, tile and cement floors, comp. shingle roof; Jefferson D. Powell, Archt., Professional Bldg. 4-26

Fla., Miami Beach—Bath Club, Inc., Harry Mansfield, Sec., let contract to Henry Hunt, 1636 S. W. 9th St., Miami, to enlarge and remodel kitchen, new lockers, lounge, erect 60 canabars; Robt. A. Taylor, Archts., 325 Espanola Way. 5-3

Md., Gaithersburg—C. C. Watts, 407 E. 25th St., Baltimore, has contract to erect \$45,000 Epworth League Memorial Hall at Methodist Home for Aged, Herman M. Wilson, Sec.; 2½ stories, 62x45 ft., brick. 5-17

Miss., Corinth—McPeters Undertaking Co. erect 2-story brick funeral home on Waldron St.; W. P. Carpenter and W. B. McCord, Contrs. 5-17

Okla., Oklahoma City—Mission of Redeeming Love Assn., A. C. Palmer, 408 Perrine Bldg., bids June 1 for home and hospital, 54th and Hope Sts.; 4 stories, 40x120 ft., brick and conc.; Hawk & Parr, Archts., Engrs., First Nat'l Bank Bldg. 3-1

Tenn., Lookout Mountain—Fairlyland Golf Club let contract to E. R. Richardson for \$25,000 English type clubhouse near Cinderella road. 5-17

Railway Stations, Sheds, Etc.

La., Shreveport—Louisiana & Arkansas Rwy. Co., E. F. Salisbury, Ch. Engr., Minden, let contract to K. C. Wilson, Augurs St., for additional story to station. 5-17

Tex., Texarkana—Bd. of Control, Texarkana Union Station Trust Co., J. A. Buchanan, Chmn., let contract to Stewart-McGehee Construction Co., Little Rock, for \$1,700,000 union station; 2 stories, brick, stone, steel and rein. conc., fireproof; E. A. Hadley, Ch. Engr., Missouri Pacific R. R. Co., Railway Exchange Bldg.; E. M. Tucker, Archt., 1164 Railway Exchange Bldg.; Taxis & Becker, Consol. Engrs., Chemical Bldg., all St. Louis, Mo. 5-17

Schools

Ala., Leeds—Bd. of Education rebuild high school; \$17,000; Brice Estes Bldg. Co., Contr., 314 Woodward Bldg.; Denham & Denham, Archts., Comer Bldg., both Birmingham. 5-17

Ark., Augusta—Bd. of Education, W. H. Sale, Chmn., Bldg. Comm., soon start work on remodeling Laura Conner High School; \$14,419; C. R. Carty, Contr., 321 N. Beech St.; Wittenberg & Delony, Archts., Home Insurance Bldg., both Little Rock. 5-17

Ark., Rector—Bd. of Education, E. M. Purcell, Pres., let contract at \$34,720 to J. C. Dowdy, Jonesboro, for 2-story, brick school and remodeling grade school; Uzzell S. Branson, Archt., Farmers Bank Bldg., Blytheville. 5-3

Fla., Belleview—Marion County Bd. of Public Instruction, Ocala, erect 4-room and auditorium school; Alfred W. Smith, Contr., Fruitland Park. 5-3

Ga., Ocilla—School Trustees let contract at \$18,500 to McCowen Bros., Fitzgerald and Ocilla, for school; 8 classrooms, domestic science room and laboratory, auditorium to seat 500. 5-3

Ky., Bowling Green—Western Kentucky State Normal School and Teachers' College let contract to Raymond Contracting Co. at \$159,968 for 3-story and basement, 259x42 ft., dormitory and at \$57,157, 2-story, 106x75 ft., for manual arts building; stone; Brinton B. Davis, Archt., Columbia Bldg., Louisville. 5-17

La., Mandeville—St. Tammany Parish School Bd., Elmer E. Lyon, Sec., Covington, let contract at \$10,830 to G. L. Whitaker, Hammond, for alterations and additions to 2-story, frame high school; 8 classrooms, slate roof, steam heat; Wm. T. Nolan, Archt., Canal Bank Bldg., New Orleans. 4-19

La., New Orleans—St. Matthias Catholic Church, Rev. Geo. Andree, Pastor, let contract at \$126,283 to John A. O'Brien, Louisiana Bldg., for 2-story, 60x320-ft. brick parochial school, S. Borgenois St. between Gen. administration offices, cafeteria, auditorium, Pershing and Broad Sts.; 10 classrooms, to seat 700; Martin Shepard, Archt.; Theard & Matthews, Asso. Archts., both Balter Bldg. 4-19

Miss., Bay Springs—Jasper County Bd. of Education, L. K. Massey, Supt., let contract to Smith & Crompton for boys' dormitory at Agricultural High School. 4-26

Miss., Biloxi—School Bd., A. L. May, Supt., let contract at \$60,000 to Collins Bros. Contracting Co. for 2-story, 14-classroom and auditorium, rein. conc., brick, stone trim school to replace Howard No. 2 School; built-up roof; Carl Matthes, Archt. 4-26

Miss., West Point—School Bd. let contract at \$115,000 to S. W. Blevins, Dyersburg, Tenn., for 2-story and basement, rein. conc., brick and stone trim high school; comp. roof, struc. steel, misc. iron, wood floors, steam heat; Geo. Mahan, Archt., American Bank Bldg., Memphis, Tenn. 4-26

Mo., Normandy—Normandy Consolidated School Dist., A. G. Kelly, Pres., let contracts for following school additions: McKinley Grade School, \$11,336, Schroeder-Greulich Construction Co., 3110 N. Grand Blvd.; Garfield School, \$10,839, and Harrison School, \$10,176, Duffner & Stecker, 30 De Menil Bldg.; all one-story, brick; Bel Noir School, \$30,000, Mississippi Valley Construction Co., 802 Chestnut St.; 2 stories, brick and rein. conc.; Wm. B. Ittner, Inc., Archt., 408 Education Bldg., all St. Louis. 3-22

Okla., Ada—Following subcontracts awarded on \$200,000 high school: Acme Construction Co., Contrs., 538 S. Kenosha St., Tulsa; Millwork, American Sash and Door Co., 16th and Bellfontaine Sts., Kansas City, Mo.; plumbing and heating, Cosgrove & Mayor, Oklahoma City; wiring, Drummond Electric Co., Ada; stone, Consolidated Cut Stone Co., 1323 E. Fifth St., Tulsa; brick, Ada Brick Co.; steel, Peterson Steel Co., Tulsa; sash, Truscon Steel Co., Youngstown, Ohio; A. S. Ross, Archt. 3-29

Okla., Oklahoma City—Bd. of Education, J. R. Barton, Supt., let contracts for following school additions: New Spivey, \$18,928, L. B. Bradway, 1444 W. 44th St.; Hawthorne, \$38,804, Harmon & Mattison, Herskowitz Bldg.; Leonard Bailey, Archt., 1117 S. Robinson St.; Westwood, \$17,700, W. M. Lambert, 1812 W. 16th St.; Guy Reid, Archt., Elks Bldg.; Central High School, \$108,805, C. M. Dunning, 429½ N. Hudson St.; Sorey & Vahlberg, Archts., Braniff Bldg. 5-10

Okla., Wakita—Consolidated School Dist. No. 1, School Bd., Art Keller, let contract at \$34,000 to A. F. Stewart Construction Co., Petroleum Bldg., Oklahoma City, for one-story, 112x131 ft., 9-room, brick school; conc. and wood floors, comp. and asbestos slate roof; P. H. Weathers, Archt., 1006 Oil Exchange Bldg., Oklahoma City. 5-3

S. C., Clinton—School Bd. let contract at \$13,838 to J. Gray Martin for 6-classroom high school addition. 5-17

Tenn., Dayton—Bryan Memorial University Assn., F. E. Robinson, Pres., started work on \$300,000, 3-story and basement, 437x64 ft., rein. conc., Mountain sandstone veneer, administration building; conc. floors and foundation, tile or comp. roof; Manley, Young & Mayer, Archts., 302 W. Church Ave., Knoxville; W. C. Andrews, Supt. of Construction. 10-20-27

Tenn., Knoxville—University of Tennessee, Thos. D. Morris, Sec., let contract at \$124,850 to A. H. Whisman, 422 Front St., for rein. conc., tile and brick laboratory, Dept. of Physics and Geology; plumbing and heating, \$18,900, Tennessee Plumbing & Electrical Co., Etowah; electrical, \$12,300, Industrial Construction Co.; Barber & McMurry, Archts., General Bldg. 5-3

Tenn., Rogersville—School Bd. let contract at \$63,640 to Burleson & Law, Johnson City, for rebuilding high school. 5-3

Tex., Houston—Church of the Blessed Sacrament let contract at \$18,995 to West & Jensen for 2-story, rein. conc. and brick annex to school at 4011 Sherman St.; Maurice J. Sullivan, Archt., Second Nat'l Bank. 5-3

Tex., Houston—R. H. Reese, Eagle Lake, has contract at \$21,527 for hollow tile and stucco parochial school at E. Branard St. 5-3

Tex., Odem—School Bd. let contract to Wood Sherman Construction Co., Peoples St., Corpus Christi, for \$72,000, one-story, 110x184 ft., brick, tile and conc. high school; Hamon & Co., Archts., City Nat'l Bank Bldg., Corpus Christi; W. E. Simpson & Co., Engrs., San Antonio. 5-3

Tex., Richmond—Richmond Ind. School Dist. let contract at \$17,530 to J. M. L. West, Post-Dispatch Bldg., Houston, for Home Economics Cottage and alterations to elementary school; Harry D. Payne, Archt., 1915 Norfolk St., Houston. 5-3

Tex., Rock Springs—Rock Springs Ind. School Dist. let contract at \$17,943 to V. L. Rasmussen, 560 E. Cincinnati Ave., for one-story, hollow tile, stucco and conc. science building; Will N. Noonan Co., Archt., Builders Exchange Bldg., San Antonio. 4-26

Tex., San Angelo—School Bd., Felix E. Smith, Supt., let contract at \$38,737 to Clem Anderson Construction Co., for 2-story, rein. conc. and brick vocational and cafeteria building; Phelps & Dewees, Archts., Gunter Bldg., San Antonio. 4-26

Tex., Somerville—Somerville Ind. School Dist. let contract at \$43,973 to T. B. Hubbard Construction Co. for 2-story, hollow tile and stucco high school and for alterations present high school; J. M. Glover, Archt. 3-1

Tex., Yoakum—Catholic Church let contract at \$74,685 to V. L. Rasmussen, 560 E. Cincinnati Ave., San Antonio, for 2-story, brick, rein. conc. parochial school; Leo M. J. Dielmann, Archt., 306 E. Commerce St., San Antonio. 4-26

Va., Blacksburg—Virginia Polytechnic Institute let contract to D. J. Phipps, Boxley Bldg., Roanoke, for \$150,000 dormitory and \$110,000 Patton Engineering Hall; Gothic type, fireproof; Carneal & Johnston, Archts., Electric Bldg. 5-10

Stores

Ala., Birmingham—Munger Realty Co., Jackson Bldg., Robt. Munger, Pres., let contract for 4 stores at Broad St. and Cotton Ave., initial unit of Community Commercial Center for Arlington Dist.; \$40,000, Alabama stone, terrazzo tile floors; Miller & Martin, Archts., Title Bldg. 5-10

Ark., Little Rock—Wilkins Estate, care Union Trust Co., Second and Louisiana Sts., let contract to Bush & Schmeltzer, Exchange Bank Bldg., for \$15,000, one-story, 100x140 ft., brick store, 622 Center St.; comp. roof, wood and conc. floors; Wm. Dill, Archt., Boyle Bldg. 5-10

Fla., Daytona Beach—A. B. Moore & Co., Inc., 11 E. Fairview Ave., started work on \$16,600, one-story, 80x65 ft., fireproof store, Fairview Ave.; conc. floors, Barrett roof; Harry Galtner, Contr.; H. M. Griffin, Archt., Engr., 512½ Main St.; owner install heating, plumbing and electric work. See Want Section—Building Material and Equipment. 5-10

Ga., Atlanta—Massell Realty Co., 61 Poplar St., erect \$30,000, 2-story and basement, 41x130 ft., brick store on Walker St.; built-up roof, conc. and wood floors, sprinkler system, steam heat; E. C. Seiz, Archt., 61 Poplar St.; owner builds. 5-10

Miss., Jackson—Ridgeway & Magehee, Inc., Ben Hart Bldg., let contract to W. G. Wetmore for 2-story, 25x100 ft., brick, terra cotta trim store on Capitol St.; Claude H. Lindsley, Archt., Lamar Bldg. 5-10

Miss., Natchez—Geo. B. Antley, Linden Pl., has contract to erect 2 brick stores on Natchez Hotel property, Franklin St.

Mo., Poplar Bluff—George Allison let contract to E. S. Linton for \$35,000, 75x104 ft., 2-story, brick store for Montgomery Ward & Co., Vine and 5th Sts.; 22,000 sq. ft. floor space.

Mo., St. Louis—W. S. Barrett, 3115 Washington Ave., start work soon on \$15,000, one-story, 35x124 ft., brick store; Gillespie & Daly, Inc., Contrs., International Life Bldg.; N. Rotthenheber, Archt., Arcade Bldg.

Mo., St. Louis—S. Miller, care Stock-Scott Realty Co., Contr., 3211 Shreve Ave., started work on \$12,000, 2-story and basement, 25x40 ft. store and apartment, 1424 Newhouse Ave.

Mo., St. Louis—B. L. Sobel, 310 Bowery, New York, has contract to remodel 5-story, brick store and loft building, 519-27 Washington St., for Mr. Martin; \$19,000; P. J. Bradshaw, Archt., 718 Locust St.

Mo., Washington—John J. Ernst start work soon on 3-story and basement, 45x65 ft., brick store and apartment, Main and Elm Sts.; terra cotta trim, comp. roof; Loymeyer & Shulte, Contrs.; Alexander B. Boyer, Archt., 878 Arcade Bldg., St. Louis. 4-5

N. C., Charlotte—Cutter Realty Co., 388½ N. Tryon St., let contract to J. A. Jones Construction Co., Com'l Bk. Bldg., for 8-store addition and remodeling building on N. Tryon St.; \$10,000; C. C. Hook, Archt., Com'l Bk. Bldg.

N. C., Greensboro—Crawford Estate, Inc., erect \$10,000, one-story brick store, Market and Edgeworth Sts.; R. T. C. Craftsman Co., Contr., Battle Ground Ave.

N. C., Greensboro—W. McC. Neale, 400 N. Mendenhall St., erect \$12,000, one-story, brick store, W. Lee St.; R. I. C. Craftsman Co., Contr., Battle Ground Ave.

Tenn., Kingsport—John B. Nall excavating for \$30,000, 2-story, 25x136 ft., brick store and office, Broad and Market Sts.; Armstrong, Purkey & McCoy, Contrs.

Tenn., Memphis—John P. Bullington, of Turley-Bullington Realty Co., 111 S. Court St., started work on 2 one-story, 25x100 ft., brick stores on Union Ave.; \$17,000; R. F. Creason, Contr.

Tex., Del Rio—S. H. Kress Co., 114 Fifth Ave., New York, let contract to E. S. Newcome, Dan Waggoner Bldg., Fort Worth, for 3-story, 140x48 ft., brick and conc. store; E. J. T. Hoffman, Company Archt. 5-3

Tex., Harrisburg—R. C. Stuart erect 75x150 ft. store, Broadway and Myrtle Sts.; Claude Robertson, Contr., 615 San Jacinto St., Houston.

Tex., Mission—Pearson-Brooks let contract at \$14,700 to J. E. Walsh for 2-story, 50x60 ft., hollow tile and conc. addition; Decker & Tanner, Archts. 4-12

Tex., Sonora—E. S. Long erect \$10,000, 2-story building; Fred Smith, Contr., San Angelo.

Tex., San Antonio—Jack Allen, 402 S. St. Mary's St., let contract to American Building Co., Real Estate Bldg., for 2-story, 45x156 ft., brick, tile and rein. conc. store and hotel, 500 block S. St. Mary's St.; private plans. 5-10

Va., Richmond—W. H. Jenks, 621 E. Main St., erect building at 318 W. Grace St.; Indiana limestone, marble and wrought iron; Doyle & Russell, Contrs., Grace Ann Bldg.; Carl Lindner, Archt., State Planters Bank Bldg.

Va., Richmond—Miller and Rhoads, A. B. Laughon, V.-P.-Gen. Mgr., let contract to John T. Wilson Co., Mutual Bldg., for remodeling 4-story brick building, 517 E. Broad St., for 15,000 sq. ft. additional floor space to store; \$50,000 to \$60,000; Carneal & Johnson, Archts., Electric Bldg. 4-12

Theaters

Fla., Miami Beach—Southern Construction Co., Spanish Village, has contract to complete Strand Theater, Ocean Drive, between 9th and 10th Sts.; \$20,000, 58x100 ft., rein.

conc. interior decorating and scenic effects; Wm. P. Shappell, Archt., 1350 Colling Ave.

Miss., Pacayune—Lockett & Chachere, Archts., Balter Bldg., New Orleans, let contract at \$40,680 to A. Garrett, Maritime Bldg., New Orleans, for 2-story, brick, tile and steel theater, store and office building for Mrs. Jennie D'Antoni; built-up roof. 5-17

Warehouses

Ala., Birmingham—Young & Vann Supply Co., 1731 N. First Ave., let contract at \$27,118 to Johnson-Woolley Construction Co., 30 W. Third Ave., for one-story, 100x172 ft., brick warehouse, Avenue E and 17th St.; H. B. Wheelock, Archt., Steiner Bldg. 5-10

Ga., Tifton—Tifton Investment Co. let contract at \$25,000 to W. H. Spooner for one-story, 150x300 ft., brick and tile warehouse; conc. floors, Barrett roof; C. W. Fulwood, Jr., Archt., Donovan Bldg., St. Petersburg, Fla. 5-17

Miss., Meridian—Gulf, Mobile and Northern R. R., L. P. O. Exley, Ch. Engr., Mobile, Ala., erect \$18,000, 2-story and basement, 85x105 ft., conc. and brick freight warehouse; metal roof and siding; building with own forces. 5-17

Mo., St. Louis—W. N. Brown, care Gill & Jackson, Archts., 520 Buder Bldg., soon start work on \$100,000, 2-story and basement, 108x101 ft., brick office and warehouse, Chouteau and Theresa Aves.; owner builds.

N. C., Lumberton—Lumberton Warehouse Co., K. M. Biggs, let contract at \$18,500 to Thos. M. Burney for \$20,000, one-story, 216x216 ft. warehouse; Ruberoid comp. roof, brick foundation, metal siding over wood, pine and gum floors. 5-17

Tex., Odessa—Texas Electric Service Co., Wichita Falls, started work on frame and galvanized iron warehouse.

Tex., Rio Hondo—Valley Vegetable Growers Exchange started work on 2-story warehouse; J. J. Johnson, Contr.

WANT SECTION

THE CLASSIFICATIONS IN THIS SECTION ARE:

Machinery and Supplies

Under this heading are reported requests for data, prices and literature and information on machinery, supplies and miscellaneous materials of a wide variety.

Building Materials and Equipment

This division comprises all classes and kinds of materials and equipment used in building and construction projects of every kind.

Bids Asked

Includes bids asked by U. S. Government, States, districts, municipalities, firms and individuals for machinery, materials, supplies and construction work.

Items in this department are published without charge and these columns are open for the publication of wants of all kinds relating to construction work, machinery, materials, and supplies.

Machinery and Supplies

Air Compressor.—A. E. Dickson, P. O. Drawer 193, Orlando, Fla.—Wants air compressor that is capable of developing about 50 lbs. of air pressure; motor driven.

Air Dump Cars.—Hackley Morrison Co., Inc. (Mchy. Dealers), 204-06 Jefferson St., Richmond, Va.—Wants two 12 yd. standard gauge air dump cars.

Bending Rolls.—Oliver Carter, P. O. Box 1191, Wilmington, N. C.—Wants pair of bending rolls 5 to 6 ft. between housing and sufficiently strong to handle ¾ in. plates; plain used rolls will meet requirements.

Coal Tipple and Screening Plant, etc.—Sixth Vein Coal Co., Madisonville, Ky.—Wants four-track tipple and screening plant, together with 2 loading booms.

Excelsior Machines.—L. Wilkinson, 329 Maynard St., Williamsport, Pa.—Wants to correspond with manufacturers of excelsior making machines.

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Gin Equipment.—Peoples Gin, R. T. Boulware, Stamps, Ark.—Wants complete gin equipment.

Gravel Plant.—Hackley Morrison Co., Inc., 204-06 N. Jefferson St., Richmond, Va.—Wants complete gravel plant, 500 tons capacity.

Open Steel Gratings.—M. K. Frank (Iron and Steel Products), Park Row Bldg., New York, N. Y.—Wants open steel gratings to cover floor space 5 ft. 9 in. by 47 ft.; 5 ft. 9 in. by 16 ft.; 5 ft. 9 in. by 67 ft.

Shuttles, Spindles, etc.—Geo. W. Creech, 2309 Linden Ave., Knoxville, Tenn.—Wants to correspond with manufacturers of shut-

tles, spindles, etc., for cotton mills, using dogwood timber for making them.

Stills.—J. W. Westerlund, Rock Hill, S. C.—Wants to correspond with manufacturers of still for manufacturing sassafras oil and sarsaparilla.

Tank and Tower.—O. E. Edwards, Route No. 1, Box No. 100, Pensacola, Fla.—Wants steel tank on steel tower, approximately 80 ft. high, as it stands; will take down.

Woodworking Machinery.—Geo. W. Creech, 2309 Linden Ave., Knoxville, Tenn.—Wants to correspond with manufacturers of woodworking machinery for making finished shuttles, etc., for cotton mills.

Tateish Trading Co., Ltd. (Mfrs. Agts., Exporters and Importers), No. 7, Minami-Daikucho, Kiobashi-Ku, Tokyo, Japan — Wants prices on following:

- (1) Coal Mining Machines
- (2) Novelty Cooking Utensils
- (3) Road Building Machinery.

E. W. Cooper, Room 603 Bennie-Dillon Bldg., Nashville, Tenn.—Wants following, second-hand:

- (1) **Swinging Engine**—either connected to hoisting engine or independent
- (2) **Guy Derrick**—for use in stone quarry, capacity about 15 tons.
- (3) **Steam Hoisting Engine**—with boiler, cylinders from 8x10 to 8x12 or equivalent.

Miscellaneous

Conduit (Salt-Glazed).—English Construction Co., 1311 H St., N. W., Washington, D. C.—Wants salt-glazed conduit.

Flower Pots.—Barnes Florist, C. H. Barnes, Box 1042, St. Augustine, Fla.—Wants flower pots direct from manufacturers.

Street Brooms.—Burr Clover Farms, A. F. Ruff, Prop., Rock Hill, S. C.—Wants street brooms (of hand type) preferably filled with rattan.

J. T. Harper (Wholesale Merchant), 80 First St., Albert Town, Georgetown Demerara, British Guiana, S. A., wants to purchase black, light brown vici kid, patent leather, calf, light glaze horse.

J. T. Harper (Wholesale Merchant), 80 First St., Albert Town, Georgetown Demerara, British Guiana, South America, wants to represent manufacturers of ladies and men's straw and felt hats, shoes and boot lacings, polishes, corsets, flour, mills, ribbons, earthenwares, enamelwares, raincoats, jerseys, hair brush combs, butter lard, ham, jelly, salmon, preserves, milk, sardines, fish, bacon, blankets, bedspreads, shoemaker lasts, automobile tires 30x3½ in. and 31x4 in., red inner tubes, batteries, etc.

Mason C. Prichard (Civil Engr.), Van Antwerp Bldg., Mobile, Ala.—Wants data and prices on steel forms, steel sheet piling, struct. steel, and building materials in general.

Building Material and Equipment

C. D. Barnstetter, Box 234, Horse Cave, Ky., wants prices on following for \$25,000 store:

Plaster Board
Roofing—asbestos and asphalt shingle
Steel Sash and Trim.
M. L. Parrish, Box No. 272, Adel, Ga., wants following; f. o. b. Adel:
Ceiling—12,000 ft. No. 2, 9/16 in.
Filler—12,000 ft., No. 2, 1x4 in.
Galvanized Shingles—87 squares, 10x14 in., 29 gauge
Ridge Roll—350 ft.
Valley—150 ft.

J. P. Annan, Archt., Slattery Bldg., Shreveport, La., wants prices on following for \$13,000 dwelling:

Electric Refrigerators
Flooring—hardwood, tile
Plaster Board

Roofing—asbestos shingle.
John B. Hamme, Archt., York, Pa., wants prices on following for high school addition, Thurmont, Md.:

Cast Stone
Floors—composition
Roofing—built-up
Tile—hollow.

Muhleman & Kayhoe, Inc., 505 E. Franklin St., Richmond, Va., want prices on following for six \$10,000 dwellings, Petersburg, Va.:

Electric Refrigerators.
Also want sub-bids, including:
Brick Work
Floor Finishing
Heating
Plumbing
Roofing (slate or tile) and Sheet Metal
Tile Work
Wiring.

R. C. Springer, Archt., Meridian, Miss., wants prices on following for \$70,000 courthouse, Philadelphia, Miss.:

Limestone
Roofing—built-up
Tile—hollow
Vaults.

Levy & Clarke, Supvg. Archts., Blum Bldg., Savannah, Ga., wants prices on following for \$45,000 school annex:

Cast Stone or Indiana Limestone
Floors—hardwood, alternate bids on fireproofing floors, furring
Roofing—built-up
Tile—hollow.

F. A. Harris, Archt., 301-02 Lafayette Arcade, Tampa, Fla., wants prices on following for community market:

Cast Stone
Electric Refrigerators
Floors—composition
Incinerator
Plaster Board
Roofing—built-up
Tile—hollow
Terra Cotta Trim.
Vaults.
Wire Glass.

Bearden & Crutchfield, Archts., First Natl. Bank Bldg., Chattanooga, Tenn., want prices on following for \$12,000 bank, Fort Payne, Ala.:

Flooring—hardwood, terrazzo
Marble
Roofing—built-up
Terra Cotta Trim
Vaults
Vault Lights
Ventilators
Wire Glass.
Brass and Bronze Work.

Florida Smelting Co., J. Perny, Pres., 603 N. W. Eleventh Terrace, Miami, Fla., wants following for completing 56 houses and 1 apartment house:

Builders Hardware
Electrical Equipment
Lumber
Metal Lath
Nails
Paints
Plumbing Material
Roofing Material.

R. Vander Straten, Archt., 603 Travis Bldg., San Antonio, Tex., wants prices on following for \$12,000 parochial school:

Cast Stone
Floors—hardwood
Metal Ceilings
Plaster Board
Roofing—built-up
Tile—hollow
Ventilators.

Smith & Praeger, Archts., Paris, Tex., want prices on following for \$78,000 courthouse, Pittsburg, Tex.:

Cast Stone
Flooring—linoleum, terrazzo
Metal Stud Partitions
Roofing—built-up
Steel Sash and Trim
Vault Doors.

J. J. Valentine, 509 N. Morrill St., Morrillton, Ark., wants prices on following for \$15,000 vocational school, Clinton, Ark.:

Celotex
Doors—fireproof, 3.6x7.6 ft.
Steel Sash—32x70 (2)

Also wants sub-bids on laying brick veneer and for painting.

Rev. W. P. Shambart, Pastor, Northside Christian Church, Selma and Marguerite Sts., Tampa, Fla., wants prices on following for \$15,000 building under construction:

Plaster Board
Rolling Partitions.

The Wilson Co., Contr., Room 306, National Bank Bldg., Charlottesville, Va., wants prices on following for \$160,000 apartment for Altamont Apartments, Inc.:

Bar Joist
Brick Work
Electric Wiring
Elevator
Electric Refrigerator
Floors—tile, terrazzo
Heating
Iron Stairs
Finishing Hardware
Gas Stoves
Kitchen Cabinets
Millwork
Painting
Plastering
Plumbing
Reinforcing Steel
Roofing
Sheet Metal Work
Screens
Telephone (house)
Weatherstripping
Window Shades.

H. L. Cain, Archt., Grace Securities Bldg., Richmond, Va., wants prices on following for \$150,000 church, Petersburg, Va.:

Cast Stone
Flooring—tile, composition
Rolling Partitions
Roofing—slate
Vaults
Ventilators.

H. L. Cain, Archt., Grace Securities Bldg., Richmond, Va., wants prices on following for \$161,000 church, Charlottesville, Va.:

Cast Stone
Flooring—hardwood, tile, composition
Metal Doors
Rolling Partitions
Roofing—built-up, slate
Steel Sash and Trim
Vaults
Vault Lights.

David S. Castle Co., Archt., Abilene, Tex., wants prices on following for \$100,000 bank and office building, Brownwood, Tex., and for \$100,000 store and office building, Coleman, Tex., excluding vaults:

Cast Stone
Elevators
Flooring—terrazzo, tile
Mail Chutes
Marble
Metal Ceilings
Metal Doors
Roofing—built-up
Tile—gypsum, hollow, interior
Vaults
Ventilators.

John L. Tregallas, Inc., 10 E. Fayette St., Baltimore, Md., wants prices on following for dwellings:

Flooring—hardwood, tile
Roofing—asphalt shingle.

Builders Exchange of Palm Beach County, P. O. Box B-44, West Palm Beach, Fla.—Wants catalogues, circulars, etc., on all kinds of building materials, specialties and equipment.

Greenville Hotel Corp., Greenville, Miss., wants prices on following for \$250,000 hotel:

Cast Stone
Elevators
Floors—terrazzo, tile
Mail Chutes
Marble
Metal Ceilings
Metal Doors
Plaster Board
Rolling Partitions
Roofing—built-up
Steel Sash and Trim
Tile—hollow
Terra Cotta Trim
Ventilators
Wire Glass.

H. M. Griffin, Archt., 512½ Main St., Daytona Beach, Fla., wants prices on following for \$16,000 store for A. B. Moore & Co., Inc.:

Cast Stone
Floors—terrazzo, tile
Steel Sash and Trim.

Roy Sandbrook, Contr., Robertsedale, Ala., wants prices on following for vocational \$10,000 school:

Roofing—asphalt shingle.

D. K. Stephens Construction Co., Box 1064, Fort Pierce, Fla., wants prices on following for \$10,000 dwelling:

Roofing—old Cuban tile.

Louis H. Asbury, Archt., 1514 E. Fourth St., Charlotte, N. C., wants prices on following for \$24,000 hospital annex, Huntersville, N. C.:

Flooring—hardwood, tile.

English Construction Co., Inc., 1311 H St., N. W., Washington, D. C., wants:
Glazed hollow tile—used in lining interior walls of buildings.

Smith & Crompton, Contrs., Bay Springs, Miss., wants prices on following for various jobs:

Brick
Bathroom Equipment
Cement
Doors
Lime
Roofing
Windows.

Watauga Construction and Supply Co., Elizabethton, Tenn., wants prices at once on following for small dwellings; delivered F. O. B. Elizabethton:

Bedford Stone
Tile—hollow back-up.

Bids Asked

Bridge Fender System.—U. S. Engineer Office, Norfolk, Va.—Bids June 4 to construct fender system at New Holland, Higginsport and Mt. Vernon R. R. Bridge across Inland Waterways, 12 mi. east of Belhaven, N. C.

Bridge.—Rusk, Tex. See Construction News—Bridges, Culverts, Viaducts.

Bridges.—Conroe, Tex.—Bids for 6 bridges. See Construction News—Bridges, Culverts, Viaducts.

Bridges.—State of Maryland—Bids for 5 bridges. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Coushatta, La. See Construction News—Bridges, Culverts, Viaducts.

Bridges.—Houston, Tex.—Bids for 2 bridges. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Miami Beach, Fla. See Construction News—Bridges, Culverts, Viaducts.

Bridges.—State of Missouri—Bids for 13 bridges. See Construction News—Roads, Streets, Paving.

Concrete Reservoir.—See Water Works.

Creosoted Lumber.—State Highway Dept., Jackson, Miss.—Bids June 11 for furnishing 53,000 ft. b.m., creosoted lumber, f. o. b. Stephenson, Miss.

Dredge.—U. S. Army Engr., Office, Tr. Co. Bldg., Galveston, Tex.—Bids June 11 for lease of light draft pipe line dredge, for maintenance dredging in Intracoastal canal between Galveston, Tex.; in channel between Pass Cavallo and Aransas Pas, Tex., near Port O'Connor and channel, across bar at mouth of Colorado River.

Electrical Supplies.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Bids May 31 for furnishing electrical supplies, for delivery to Quantico, Va.

Engine-Generator Sets.—Division of Supplies, Dept. of Commerce, Washington, D. C.—Bids May 28 for engine-generator plants as required during period ending June 30, 1928.

Gas Service Main, etc.—Treasury Dept., office Supvg. Archt., Washington, D. C.—Bids June 14 for furnishing gas service main, gas piping, gas burners, etc., at National Home for Lepers at Carville, La.

Heating System.—Supervising Archt., Treasury Dept., Washington, D. C.—Bids June 5 for heating system at postoffice, Jackson, Tenn.

Laundry Equipment.—Bd. of Awards, Baltimore, Md.—Bids May 31 for laundry equipment, Baltimore City jail.

Lighting Fixtures.—Supervising Archt., Treasury Dept., Washington, D. C.—Bids June 11 for exterior lighting fixtures for Federal buildings.

Lumber (Creosoted), etc.—A. L. Flint, Gen. Pur. Officer, Panama Canal, Washington, D. C.—Bids June 6 for untreated and creosoted Southern yellow pine and Douglas fir lumber and timbers.

Miscellaneous Supplies.—A. L. Flint, Gen. Pur. Officer, Panama Canal, Washington, D. C.—Bids May 29 for following; Sch. 1877: Cup greases, lubricant, car, locomotive, cotton waste, etc.

Miscellaneous Supplies.—A. L. Flint, Gen. Pur. Officer, Panama Canal, Washington, D. C.—Bids May 29 for following; Sch. 2458:

Fixture wire, telephone cable terminals, chain shackles, asbestos gaskets, binds for automobile tops, carbon paper, machine bolt dies, pipe pushing jack, double acting pumps, etc.

Miscellaneous Supplies.—A. L. Flint, Gen. Pur. Officer, Panama Canal, Washington, D. C.—Bids May 29 for following; Sch. 1878:

Gasoline section cars, conduit, terminal tubes, porcelain blocks, wire cloth, thermometers, drawing paper, boat hooks, gate valves, transformers, flexible cord, searchlights, etc.

Oxygen and Acetylene.—Pur. Agt., P. O. Dept., Washington, D. C.—Bids June 4 for oxygen and acetylene as required during 12 months' period ending June 30, 1928.

Paving.—Huntington, W. Va. See Construction News—Roads, Streets, Paving.

Paints.—Pur. Agt., P. O. Dept., Washington, D. C.—Bids June 6 for 150 gal. japan dryer, 1000 lb. lamp black and 280 gal. paint and varnish remover.

Pipe (Cast Iron).—See Water Works.

Pipe (Steel).—See Water Works.

Plumbing Supplies.—Post Quartermaster, Marine Barracks, Parris Island, S. C.—Bids May 28 for 24 flush valves, 2 sewer valves, traps, bends, etc.

Printing Presses.—Purchasing Agt., Government Printing Office, Washington, D. C.—Bids May 28 for furnishing and installing 2 high-speed cylinder presses.

Pumps.—See Water Works.

Pumping Station.—Ch. Bureau of Yards and Docks, Washington, D. C.—Bids June 13 for salt water pumping station, including rein. conc. pump house on conc. piles, installation of power transformers and pumps with motors and starters furnished by Government.

Roads.—State of Maryland.—Bids for 8 roads. See Construction News—Roads, Streets, Paving.

Roads.—State of West Virginia.—Bids for 13 roads. See Construction News—Roads, Streets, Paving.

Roads.—Director, U. S. Veterans' Bureau, L. H. Tripp, Ch. Construction Div., Room 701, Arlington Bldg., Washington, D. C.—Bids June 12 for conc. roads, U. S. Veterans' Hospital, Muskogee, Okla.

Road.—Summersville, W. Va. See Construction News—Roads, Streets, Paving.

Roads.—Summersville, W. Va.—Bids for 2 roads. See Construction News—Roads, Streets, Paving.

Road.—Winona, Miss. See Construction News—Roads, Streets, Paving.

Roads.—State of Tennessee.—Bids for 13 roads. See Construction News—Roads, Streets, Paving.

Road.—Nashville, Tenn. See Construction News—Roads, Streets, Paving.

Roads.—State of Missouri.—Bids for 25 roads. See Construction News—Roads, Streets, Paving.

Roads.—Houston, Tex.—Bids for 2 roads. See Construction News—Roads, Streets, Paving.

Road.—Fayette, Miss. See Construction News—Roads, Streets, Paving.

Road.—Warrington, Fla. See Construction News—Roads, Streets, Paving.

Rope Clips.—U. S. Engr. Office, Fourth Dist., New Orleans, La.—Bids May 31 for 170,000 wire rope clips. City Engr.—Bids June 4 for sewers in Dist. No. 40, including: 4929 ft. sewer pipe, ditching and backfilling, manholes, 3870 sq. ft. pavement repaving; Sewer Dist. No. 25—2115 ft. 6-in., 1068 ft. 8-in., sewer pipe; ditching and backfilling, manholes, etc.

School Furniture.—Caddo Parish School Bd., E. W. Jones, Supt., Shreveport, La.—Bids June 1 for 1200 steel lockers, 1400 opera chairs, 64 commercial desks, 50 teachers' desks and chairs, 900 cast desks and general equipment for science laboratories, and 320 shades; and bids June 2 for manual training equipment and cafeteria equipment for Fair Park High School.

Sewers.—Jefferson City, Mo., F. E. Ross, Sewers.—Town of Morristown, Tenn.—Bids June 5 for sewer extensions and disposal plant: 17,500 ft. 21-in., 4400 ft. 12-in. and 2200 ft. of 10-in. sewer pipe laid; 80 manholes; 515 cu. yds. rein. conc.; Campbell Wallace, Consult. Engr., Empire Bldg., Knoxville.

Sewers.—Town of Port Gibson, Miss.—Bids June 6 for constructing sanitary sewer system; P. A. O'Brien, Engr., 411 Edwards Hotel, Jackson.

Sewers.—City of Houston, Tex.—Bids June 6 for constructing drainage sewers on Sampson St., between Polk Ave. and Navigation Blvd., with various laterals; J. C. McVea, City Engr.

Sewers.—City of Opelousas, La., A. J. Perreault, Mayor.—Bids June 5 for sewage disposal plant, tank and filter bed; 12 miles 8, 10 and 12-in. sewer pipe, flush tanks, manholes, etc.

Street.—Washington, D. C. See Construction News—Roads, Streets, Paving.

Street.—Baltimore, Md. See Construction News—Roads, Streets, Paving.

Street.—Belton, S. C. See Construction News—Roads, Streets, Paving.

Street.—Mobile, Ala. See Construction News—Roads, Streets, Paving.

Street.—Fayetteville, N. C. See Construction News—Roads, Streets, Paving.

Streets.—St. Louis, Mo. See Construction News—Roads, Streets, Paving.

Street.—San Antonio, Tex. See Construction News—Roads, Streets, Paving.

Tank and Tower.—See Water Works.

Tires.—Pur. Agt., P. O. Dept., Washington, D. C.—Bids May 28 for 164 solid tires, non-skid type.

Tools, etc.—Chemical Warfare Service, Edgewood Arsenal, Md.—Bids May 31 for mandrels, taps, dies, reamers, cutters, drills, emery wheels, etc.

Tractors.—U. S. Engr. Office, Fourth Mississippi Dist., New Orleans, La.—Bids June 2 for 6 tractors.

Traffic Signals, etc.—Dist. Commrs., Washington, D. C.—Bids June 4 for electric traffic signals, control apparatus, switches, etc.

Wagons.—U. S. Engr. Office, Fourth Mississippi Dist., New Orleans, La.—Bids June 2 for 12 wagons.

Washfountains.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Bids May 28 for 4 circular waterfountains, delivery to Parris Island, S. C.

Water Works.—Collinston, La., C. B.

Mason, Village Clk.—Bids June 12 for furnishing materials, machinery, equipment and constructing water works; Henry A. Mentz, Consult. Engr., Hammond, La. Includes: Steel water pipe and fittings, c. 1. water mains and fittings, valves, boxes and hydrants; constructing water lines; install connections around plant; construct 50,000 gal. conc. reservoir, brick pumping station, all conc. foundation work; furnish and install elevated steel tank and tower; furnishing and installing complete all pumping machinery and equipment; sinking one tubular well; furnishing house service material.

White Way Equipment.—City of Miami Beach, Fla., C. W. Tomlinson, Clk.—Bids June 6 for following: Contract No. 4-W-W: 15,930 ft. of cable; 124 ornamental white way standards; 124 lighting units; Alternate Bids—Tubular steel overhead supply poles; 15,950 ft. overhead conductor; 94 steel poles; 94 lighting units; 94 brackets; 94 transformers; 94 bases; 94 extra cross arms.

Water Tank, etc.—Treas. Dept., Washington, D. C., Office Supvg. Archt., Jas. A. Wetmore—Bids June 19 for constructing water tank, filters, etc., at U. S. Marine Hospital (National Home for Lepers), Carville, La.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers, whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

Beaman Consolidation.

The firm of R. J. Beaman & Co., accountants, auditors and engineers, has been formed by consolidation of R. J. Beaman & Co. and the National Audit Association and including Dawson, Osborn & Baggs, Clark & Co., V. E. Barker & Co., A. T. Henderson & Co. and Goodyear & Co. Offices are maintained at Atlanta, Birmingham, Charlotte, Chattanooga, Cincinnati, Greensboro, Greenville, S. C.; Jacksonville, Jackson, Miss.; Knoxville, Louisville, Lynchburg, Memphis, Miami, Nashville, Roanoke and Washington, D. C.

Machinery Sale at Palm Beach.

A varied assortment of machinery will be sold, either as a whole or in part, by the town of Palm Beach, Fla., on sealed bids which must be in the hands of the Town Council by 5 P. M., June 5. Among the articles are a 41-B steam Bucyrus caterpillar drag line machine, a set of 40-foot long steel pile leaders for that machine, a set of track caps and mats, a Union Iron Works steam hammer, all of which are said to be in fine condition. Purchases will be loaded on cars at Palm Beach without cost to buyers.

Making Bags for All Purposes

The Bemis Brothers Bag Company of St. Louis, Mo., already owning 15 bag factories, three cotton mills, one bleachery and a paper mill, are reported as having arranged to build a \$3,000,000 mill at Talladega, Ala. An interesting statement recently issued by the Bemis company showing how the manufacture of bags can be adapted to the varying needs of producers says: "The Bemis technical staff has saved a lot of money for industries, who, a few years ago, were certain their products could not be shipped in bags. Their products weren't changed, the Bemis technical staff simply devised Bemis bags of material, shape and size exactly suited to the products. And that is why hundreds of industries who 'could not ship in bags,' now do. That is how they are getting lower packing and shipping costs. Can you? Ship us one unit of your product in its usual container. We will ship it to you in a Bemis bag, or tell you it can't be done. No obligation on your part."

It Stirs the Wanderlust.

The Merchants & Miners Transportation Co. has issued a very appealing circular in regard to the beauty and attractiveness of its steamer service to Southern and Eastern ports. It presents an alluring picture of the charms and comforts of ocean travel by these modern steamers, and offers a sample of a typical dinner menu well calculated to tempt the appetite not only of the epicurean, but of all others who need to feed the inner man and reach his heart in that way. And speaking of epicureans brings to mind a statement heard at a public dinner some time ago when a man seated at a table, evidently wholly unfamiliar with olives, began carefully to peel one until he saw that no one else was doing so, and then as an explanation of his act he said: "Well, I am a regular ipecac."

The trips outlined in this leaflet cover the country from Montreal and the White Mountain region to Miami. Details are given as to the cost of transportation, and the attractions of the different places to be visited. There are also personally conducted tours to Boston, Nova Scotia, the Land of Evangeline, and many other places. No one can read this circular printed by Fleet-McGinley, Inc., Baltimore, without having all the wanderlust of his nature deeply stirred.

Paper Mill Auction Sale.

An auction sale is announced by F. J. McFadden, auctioneer, 62 Dauphin street, Mobile, Ala., in that city, June 5, at 10 A. M., when the building and contents of the Dennon Paper Mill will be sold. In the separate lots offered are engines, blowers, pumps, trucks with racks, drying kiln with four funnels, diaphragm screens and rotary paper cutter, rails, tanks, pipe fittings and tools, with much other material of various kinds.

To Handle Smith Mixers and Pavers.

The T. L. Smith Company of Milwaukee announce the appointment of the Leland Truck Equipment Company of Tulsa as their distributors for Oklahoma. That company has been prominently identified with the sale of oil-field equipment, but has handled for some time such construction equipment lines as Novo engines and Barber-Greene loaders.

Two Benjamin Company Products

The Benjamin Electric Manufacturing Company, Chicago, announces two products. One is a new hand portable light for very close inspection work, such as is required in automobile spraying and finishing plants, furniture finishing plants, rug factories, weaving plants and similar locations where the inspection requirements are unusually rigid and where the object or material subject to inspection is bulky and not easily moved about. The other is a dust tight glass cover, to meet demand for a light-weight, economical device that will guarantee the original efficiency of lamps and reflecting surfaces of Benjamin industrial lighting equipment. These units of the industrial lighting system are afforded complete protection against dust and dirt resulting from manufacturing operations.

Esco Competition for Loving Cup

The Esco Log, devoted to the organization of the Exchange Sawmills Sales Company, Kansas City, Mo., announces that "home-makers of the Esco family are this year to have the opportunity of competing for a handsome silver loving cup, to be presented by Mrs. J. B. White, for the most outstanding and beautiful development of home surroundings in the Esco mill towns." Details will be given later.

Bayley Blower Company Officials.

Bayley Blower Company, Milwaukee, Wis., announces the promotion of Charles H. Jackson to the position of general sales engineer and the appointment of Ernest Szekely as chief engineer. Mr. Jackson was formerly chief engineer. Mr. Szekely has been research engineer for the American Blower Company and later a consulting engineer in Cleveland, Ohio.

Chenoweth-Stolz Co. Organized

Organization of the Chenoweth-Stolz Company, Atlanta, Ga., interested in the Gibsonburg Lime Products Company, is announced by Bruce Chenoweth and W. M. Stolz. The concern has taken over the Southwestern sales of "Gibsonburg Finishing Lime," "Ohio's Super Finish," "Gibson Brand Finish," "Gibsonburg Mason's Lime" and "Gibsonburg Agricultural Lime, Ohio's Super Sweetener."

Brick Sales Office In Atlanta

The Plainville Brick Company, Plainville, Ga., manufacturers of shale face brick, have opened a sales office in Atlanta, at 135 Luckie street. The company has a modern plant at Plainville and recently announced plans for improvements and additions to bring its output in 1928 up to 15,000,000 bricks.

New Plant for Hanes Knitting Company.

Winston-Salem, N. C.—General contract has been awarded to the Northeastern Construction Company of this city, by the P. H. Hanes Knitting Company, for a new plant here, including factory building and power plant. Power plant installation will consist of a 1000-horsepower bleeder type steam turbine direct connected with generator, and two water tube boilers equipped with automatic stokers. All exhaust steam will be used for heating, dyeing and drying. Mees & Mees of Charlotte, are the engineers.

Plans for \$6,000,000 Railway Depot in Houston.

Houston, Tex.—While no definite announcement can be made as to the date of beginning construction on the proposed \$6,000,000 station here for the Southern Pacific Lines, R. W. Barnes, chief engineer, plans are well under way and will

The Telephotograph in Business

New possibilities for accurate transmission of a large volume of information are foreseen by the American Telephone & Telegraph Company, New York, in a combination of speedwriting placed on a telephotograph together with a picture of the writer. Such a message recently was flashed from New York to Los Angeles in seven minutes. This new application of telephotographs is said already to have been used by many commercial and manufacturing companies to transmit important letters, statements, advertising copy and sketches or diagrams.

Erickson, Advertising, to Move.

Plans are announced by the Erickson Company, advertising agency, to move its offices early in 1929 from the present quarters at 381 Fourth avenue, New York city, to the New York Central Building, across Park avenue, immediately north of the Grand Central Terminal. The company will occupy 25,000 square feet, a major part of the fourteenth floor.

Earl D. Stearns, Vice-President

The Fairfield Engineering Company, Marion, Ohio, producing bucket elevators, drag conveyors, apron and belt conveyors, storage bins and silos, feeders, skip hoists, Fairfield direct locomotive coaling machine and other devices, announces that Earl D. Stearns, formerly of the Stearns Conveyor Corporation, Cleveland, Ohio, has joined as vice-president.

Trade Literature

Municipal Castings—Several varieties of necessities in municipal construction, such as side catch basins, composite type catch basins, anti-rattle manhole ring and cover, cast-iron standards for lamp posts, curb box and meter box, are shown in a circular issued by J. S. Schofield's Sons Company, Macon, Ga. The company specializes also in tanks, towers and rotary dryers, engines and boilers and manufactures special requirements for engineers.

"Making Markets"—Advance sheets of No. 1, Vol. 4, of "Making Markets," published monthly by the Sheet Steel Trade Extension Committee, Cleveland, Ohio, indicate an interesting number. "Who Shall Sell the Steel for Steel Houses?" is the title of the opening article, and "A Lot of Steel is Used Nowadays for Stairs," is another, while "Thanks to Welding" also is timely and of value. The magazine, of which Guy L. Irwin is editor, is printed on fine paper and well illustrated.

Whiting Cupola—As "the product of over 40 years' experience," a new and improved structural cupola, Model B, is described in Bulletin 184, issued by the Whiting Corporation, Harvey, Ill. Diagrams and designs add to the interest of the verbal description.

Steel Stringers—Mid-West steel stringers for the modern factory are set forth in Bulletin SC-2, issued by the Midwest Steel & Supply Co., Inc., Bradford, Pa. Flexible overhead layouts, as represented by these stringers, are said to enable users to meet the changing pace and procedure of modern production methods at a very low cost.

Baylet Heaters—The Chinookfin Heaters of the Bayley Blower Company, Milwaukee, Wis., are described in a circular of that company, "Cold Facts on a Hot Subject," setting forth the sturdiness, efficiency, adaptability and other features of the product. Cuts visualize the information and capacity tables and diagrams are given.

Brass Goods—Steady increases in the line of brass goods of the H. B. Sherman Manufacturing Company, Battle Creek, Mich., is shown in the 1928 catalog, recently issued. Prominent in a large amount of information is an announcement of a complete new line of brass pipe fittings of the flat bead type. Two years have been spent in creating a complete line of all new patterns.

Saws, Knives, etc.—Elaborate and attractive in form and interest in substance is a catalogue, Atkins No. 20, issued by E. C. Atkins & Co., Indianapolis. The high quality of the catalogue is regarded by the company as reflecting the quality of Atkins products such as saws of all kinds, saw tools, saw specialties, bench, wall and floor scrapers, machine knives, grinding wheels, cantol belt wax, files and other articles.

Tunnel Construction Ventilation.—The adoption of du Pont Ventube and various new uses for it in underground work, other than mining, are described in "Tunnel Construction Ventilation," a booklet now being distributed by E. I. du Pont de Nemours & Company, manufacturer of Ventube. Uses for Ventube in this field, it is explained, have come about largely because of the necessity for insuring proper ventilation not only quickly to rid tunnels of powder fumes, but also to eliminate the hazard of carbon monoxide poisoning caused by the use of tractors and trucks operating in the workings.

soon be completed, according to H. M. Lull, executive vice-president of the company. The new station, it is understood, will be located near the old one, but no announcement has been made as to dimensions of the buildings or the character of construction.

Massachusetts Mill Moving South.

Sydney M. Edelstein & Company, industrial engineers of Union, S. C., advise that the Lund Company, a Delaware corporation operating at Fisherville, Mass., as the Lund Textile Company, Inc., has leased for 10 years a building in Rock Hill, S. C., which it will equip for the manufacture of high grade draperies and corset cover materials. It will move machinery from Fisherville, the first unit having already been shipped. The plant will employ about 500 operatives.

Farmers Demand Protective Tariff.

Washington, May 19—[Special.]—Still another demand for adequate tariff protection for American agricultural products has been presented to Congress, this most recent move having been made in a resolution adopted by the First National Conference of Co-operative Association on Agricultural Tariffs. The resolution is said to embody the views of 981,000 farmers.

In effect, the resolution first states that the import duties on agricultural products are "in a large measure, duties for revenue purposes only," while duties on other articles, "which the farmer must buy," are "highly protective duties." The farmers add, therefore:

"In considering remedies for this deplorable situation * * * we believe that a long step can be taken by raising the duties on raw and refined commodities coming into this country to compete with the products of our farmers, so that the benefits of the tariff will be more equitably shared as between the respective groups of the Nation. To that end, we declare in favor of a protective tariff on products competing with those produced on farms of the United States."

Indeed, the farmers "demand" that a protective tariff be imposed on agricultural products from the Philippine Islands.

Among the increases asked by the farmers are the following: Fresh beef and veal, from 3 to 8 cents a pound; pork, from $\frac{3}{4}$ cent to 3 cents; meats not specially provided for, 20 per cent to 30 per cent; butter and substitutes, 8 cents to 12 cents a pound, or 30 per cent; cheese and substitutes, 5 cents a pound or 25 per cent, to 8 cents or 40 per cent; dead poultry, 6 cents and all others 8 cents to 14 cents; corn and products, from 15 to 30 cents a bushel; per hundredweight, 30 cents to 50 cents; potatoes, per hundredweight, from 50 cents to 75 cents; tomatoes, from $\frac{1}{2}$ cent to 1 cent a pound.

These demands are in line with those already advanced by farmers and business men and financiers in Texas and Florida and Maryland.

Significance is found in this latest demand as showing that the farmers do not ask reduction of protective duties on non-agricultural commodities, but do urge that agricultural products be given adequate tariff protection, rather than, as they see it, merely a "tariff for revenue only," on their commodities.

Aeronautics Develops in the South.

Provision for a bond issue of \$2,000,000, to enlarge and equip the Lambert street flying field has been urged on the municipal authorities of St. Louis, Mo., by the members of the St. Louis Air Board and hope is entertained that appropriate action will be taken. The present field is owned by Major Albert Bond Lambert, "dean of aviation in St. Louis," and is leased by the city at \$1 a year, with an option to purchase it for \$134,000. It is estimated that \$2,000,000 would take adequate care of the field for 20 years.

Interesting facts about the airport at Miami, Fla., are given in a letter to the MANUFACTURERS RECORD from A. H. Heermance, director of aviation for that city; in part, he says:

"We now have three airports in use, one being a municipal field. There are four seaplane bases, one of which is municipal and equipped with the finest seaplane ramp on the Atlantic coast. This has an angle of ascent of $6\frac{1}{2}$ to 1, is 50 feet wide and built to carry the heaviest seaplanes now being built in the country. It was designed to take care of not only the present air traffic, but also the large flying boats which are expected to carry the South American mails.

"This office acts in a way as a clearing house for all Florida aviation news and we frequently hear the MANUFACTURERS RECORD mentioned for its active interest in aviation and its practical application to manufacture and business."

Miami, Mr. Heermance adds, is an ideal location for aircraft factories, with many fine sites for factories and homes for workers, and also "factories can be run 365 days a year

with no overhead for heating." The number of aircraft owners in Florida is increasing rapidly, he says, and the number of visiting aircraft is growing progressively.

At a bid of 78½ cents a pound, the Robertson Aircraft Corporation of St. Louis, Mo., has received contract for operating the airmail route from St. Louis to Kansas City to Omaha, Neb., this being described as the lowest rate for carrying the mails over any route at present in existence. The route will be equipped with full lighting system and will be put into operation in a few months.

The operation of an airmail route from Mexico City to Nuevo Laredo, connecting with the San Antonio-Dallas route, is expected to start about June 1, as the result of recent conferences between Assistant Postmaster General W. Irving Glover and Cosme Hinojosa, Mexican Postmaster General.

With the recent institution of the Atlanta-New York route, the airmail service now is available in 31 states and the airmail routes total 10,740 miles, 6000 of which are lighted. In 1927, the Government paid \$2,634,946 to airmail contractors.

Besides the regular airplane passenger service recently announced for Houston, Fort Worth and Dallas by the Texas Air Transport Company, passenger service between Dallas and San Francisco is to be started soon, according to Secretary Hoover. The Western Air Express, a private enterprise operating on the Pacific coast, has ordered planes for the Dallas-San Francisco route.

Smoot field at Monroe, La., has been abandoned and has been replaced by Selman field, three miles east of the city, rectangular in shape, 2550 by 2550 feet and equipped with a brick hangar, 80 by 100 feet. There are service facilities and transportation to town, telephone and other conveniences.

Flight maps announced by the Government may be obtained from the Department of Commerce, as follows: Airway, Key West to Cedar Keys, Cedar Keys to Pensacola, Pensacola to New Orleans; commerce, Dallas to Oklahoma City, Oklahoma City to Wichita, Kansas City to Moline, St. Louis to Chicago; air corps, Nashville to Birmingham, Birmingham to Montgomery to Pensacola. The Navy maps are 40 cents each and the Department of Commerce maps are 35 cents.

South Carolina Asks Bids on 55 Miles Roads.

Columbia, S. C.—Bids will be received May 29 by the State Highway Department for the construction of 12 road and bridge projects, the former to cover a total of approximately 55 miles. Four projects call for 27.1 miles of concrete; three, for 21.8 miles of grading, and one, for 6 miles of sand clay road. Bridge construction will cover the re-flooring of a bridge over the Edisto River, construction of a 75-foot reinforced concrete bridge over Rocky Creek in Chester county, three concrete bridges in Anderson county, including a 175-foot structure over Six and Twenty Mile Creek, 125-foot bridge over Hurricane Creek, and a 245-foot bridge over Three and Twenty Mile Creek. A treated timber bridge, 185 feet long, will be built in Kershaw county.

To Dedicate Alabama's \$10,000,000 Port Terminals.

Mobile, Ala.—General William L. Sibert, president and chief engineer of the Alabama State Docks Commission, with the concurrence of associate commissioners, has named June 28 for the formal dedication of the State's \$10,000,000 port project here. Work on the terminals is nearing completion and it is hoped the entire building program will have been finished by the time set for its dedication.

The Claiborne Parish School Board, Homer, La., will sell on June 2 a \$225,000 6 per cent bond issue of school district No. 11.

Production of Graphite in 1927.

While the total production of graphite in the United States in 1927 was slightly less than in 1926, its total value increased, according to the Bureau of Mines. Sales of natural graphite by producers in 1927 were 5207 short tons, valued at \$232,971, a decrease of 263 tons, or 5 per cent, in quantity, and an increase of \$13,629, or 6 per cent, in value, compared with 1926. The decrease in production was in the amorphous variety, the crystalline variety increasing both in quantity and value. Amorphous and crystalline graphite sales were nearly equally divided, 2595 tons of the former and 2612 tons of the latter being sold or consumed by the producer. This was a decrease of 380 tons, or 13 per cent, in the former and an increase of 235,200 pounds (117 + short tons) or 5 per cent in the latter. The value of the amorphous variety decreased \$4650, or 11 per cent, and the crystalline variety increased in value \$18,279, or 10 per cent, compared with 1926. The quantity and value of crystalline graphite in 1927 were the largest since 1920.

The producing States in 1927 were Alabama, California, Michigan, Montana, Nevada, Rhode Island and Texas. Alabama is the leading State in the production of crystalline graphite and reported 66 per cent of the total quantity and 74 per cent of the total value in 1927. The striking features of the industry were the activity in Alabama, the increased production of crystalline graphite there, and the reappearance of California as a producing State after five years of inactivity.

The manufacture of artificial graphite in New York decreased considerably, from 21,163,986 pounds in 1926, to 12,257,239 in 1927, or 42 per cent.

The imports of graphite in 1927 amounted to 17,452 short tons, valued at \$723,923, compared with 16,166 short tons, valued at \$921,233 in 1926, an increase of 8 per cent in quantity, but a decrease of 21 per cent in value.

Southwestern Gas Properties in Big Merger.

Houston, Tex.—Plans have been made by the Moody-Seagraves Interests for the organization of the United Gas Company, a holding corporation to consolidate, operate and manage about \$75,000,000 worth of natural gas properties in Louisiana and Texas. O. R. Seagraves of this city, will become president of the new organization, which has been incorporated in Delaware with an authorized capital stock of 100,000 shares of preferred stock of no par value and 2,500,000 shares of common stock of no par value. There will be outstanding 25,000 shares of \$7 cumulative dividend series A, no par value preferred and 1,000,000 shares of no par value common, including 25,000 shares of common to be held in the treasury for issuance against warrants. Voting power will be vested in the common stock.

The organization of the new company completes the final step in the consolidation previously announced, of the Houston Gulf Gas Company, Houston Gas & Fuel Company, the Southern Gas Company, the Dixie Gas and Utilities Company, the Southern Gas Utilities, Inc., the Western Gas and Fuel Company, the Dixie Gulf Gas Company and the South Texas Gas Company. These companies serve among other cities, Houston, San Antonio, Austin, Beaumont and Laredo.

Rapid Increase in World's Rayon Output.

According to the International Federation of Master Cotton Spinners and Manufacturers Association, Manchester, England, the world's production of rayon in 1927 amounted to 285,900,000 pounds as compared with 219,080,000 pounds in 1926. Production in the United States was about 72,000,000 pounds in 1927, or an increase of 10,000,000 pounds over

1926. Italy, Great Britain and Germany were the largest rayon producers in Europe with an output, respectively, of 37,000,000 pounds, 36,000,000 pounds and 35,500,000 pounds. France produced in 1927 19,800,000 pounds of rayon. The total production of rayon in Europe in 1927 was 182,050,000 pounds as compared with 148,535,000 pounds in 1926.

South Carolina County Offers \$500,000 Bonds.

Columbia, S. C.—Bids will be received June 1 by the Richland County Commissioners, W. C. Thomas, clerk, for the purchase of \$500,000 5½ per cent road bonds.

School District Votes \$1,000,000 Bonds.

Lafayette, La.—Consolidated School District No. 11, of Lafayette Parish, has voted \$1,000,000 of bonds and plans to sell \$536,750 of them about June 14, proceeds from which will be used for the construction of school buildings. The remainder will be devoted to liquidation purposes.

For \$500,000 Hospital in Washington.

Washington, D. C.—A bill introduced in the Senate by Senator Capper, of Kansas, authorizes the District Commissioners to erect a \$500,000 hospital here for tubercular children. Representative Gibson of Vermont, has introduced a similar bill in the House.

Contract Soon on \$400,000 Land Bank Building.

Houston, Tex.—Contracts will be awarded within 30 days for the erection of a \$400,000 building here for the Federal Land Bank, Judge M. H. Gossett, president. Plans call for a 3-story and basement building, 121 by 125 feet. Hedrick & Gottlieb, Houston, are the architects.

\$450,000 County Bonds Bring Big Premium.

Rockville, Md.—Four and one-half per cent bonds in the amount of \$450,000 have been sold by the Montgomery County Commissioners to the Baltimore Trust Company and Hambleton & Company, both of Baltimore, on a joint bid of 103.18. Of the total, \$250,000 will be used to remodel the courthouse, \$50,000 for a jail and \$150,000 for a school gymnasium.

Fewer Apple Trees; More Apples.

Although the number of apple trees in the United States has been declining since 1910, no shortage of apples has developed and commercial production is increasing, the Department of Agriculture says. The crop of 1926 was the largest produced in many years. In round figures, the decrease from 1910 to 1925 was about 79,000,000 out of a total of 217,000,000 trees reported in the former year. The significance of this decline is modified by the fact that in the box apple region of the Mountain and Pacific States no less than 55 per cent of the trees were not of bearing age in 1910.

500,000,000 Pounds of Explosives Shipped in 1927 Without Accident.

The Bureau for the Safe Transportation of Explosives and Other Dangerous Articles reports for the year 1927 an unusual record. Although about 500,000,000 pounds of commercial explosives were transported there was no loss of life nor personal injury in connection with it. The money loss amounted to only \$45, which was due to accidents in shipments of fireworks. F. J. Byrne, chairman publicity committee, Institute of Makers of Explosives, New York city, calls attention to the fact that the results for 1927 are unprecedented.

Business Sagacity

Good common sense is just another mark of *understanding*. It is not rare in business. Only is it *uncommon* when it is so good that it is prophetic. But then it drops its maiden name and business knows it as Sagacity. Its ready, far reaching, accurate inference from observed facts and figures, is a dependable power. It visions the human motives in conduct, and forsees results. With integrity it is the most valuable of all human qualities in business.

Once, Sagacity considered itself a special gift of Providence—an inheritance from the family "Sage" tree, and only those who dropped therefrom had it.

But modern Accountancy has changed even that. Business Sagacity today is just another mark of *understanding business*. And *understanding business* is largely the mark of Modern Accountancy.

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FINANCIAL NEWS

Bond Issues Proposed

- Ala., Birmingham—School—City Comm., C. E. Armstrong, Comptroller, receives bids June 12 for \$1,005,000, 4 to 4½% bonds.
- Ala., Birmingham—City Comm., receives bids June 12 for \$170,000 paving and sewer bonds.
- Ark., Fayetteville—City considering \$108,000 bond election: \$150,000, combined city hall, auditorium, public library; \$18,000, municipal airport.
- Ark., Prescott—Paving—Bd. of Street Improvement Dist. 4 receives bids May 25 for \$45,000 to \$50,000, 5½% bonds; Street Improvement Dist. 3, for \$15,000 to \$20,000 5½% bonds.
- Ark., Malvern—Comms. of Paving Dist. 4, E. H. Cox, Chmn., receive bids May 25 for \$26,000 6% bonds.
- Ark., Marianna—Bd. of Directors, Marianna Special School Dist., Lee County, J. B. Daggett, Pres., receives bids May 22 for \$30,000 not to exceed 5½% bonds.
- Florida—Florida Inland Navigation Dist. Comm., East Coast Canal, Chas. F. Burghman, Chmn., Daytona Beach, called election for June 26 on \$1,887,000 bonds, to provide funds to purchase lands for East Coast Canal. 5-17
- Fla., Chipley—Bd. of Public Instruction receives bids until June 18 for \$75,000 \$1000 denom. Special Tax School Dist. 1 bonds. 5-17
- Fla., Gainesville—Road, Bridge—Alachua County Commrs. receive bids May 31 for \$790,000, 5½% bonds.
- Ga., Blakely—Early County Consolidated School Dist. votes May 30 on \$25,000 5½% \$1000 denom. bonds.
- Ga., Douglas—Trustees, Ambrose School Dist., Coffee County, receives bids May 25 for \$20,000 6% \$1000 denom. bonds.
- Ga., Folkston—Courthouse, Jail—Charlton County votes June 18 on \$50,000 bonds.
- Ga., Nahunta—Drainage—City votes June 13 on \$8,000 bonds.
- Ga., Valdosta—Park—City, M. M. Belote, Clk., receives bids June 6 for \$150,000 4% \$1000 denom. bonds. 5-17
- La., Homer—Claiborne Parish School Bd., John S. Patton, Sec., receives bids June 2 for \$225,000, 6% \$1000 denom. bonds.
- La., Independence—Independence School Dist., Tangipahoa Parish, voted \$150,000 bonds. 4-19
- La., Lake Charles—Calcasieu Parish School Dist. 22 votes June 5 on \$75,000 bonds.
- La., Lafayette—Lafayette Parish Bd. of School Directors, J. W. Faulk, Parish Supt., receives bids June 27 for \$538,750 5% \$1000 and \$750 denom. Consolidated School Dist. 11 bonds.
- La., Mansfield—Water—City voted \$15,000 bonds.
- Md., Brunswick—Street—Town, Jacob H. Moler, Mayor, receives bids June 5 for \$10,000, 5%, \$1,000 denom. bonds.
- Miss., Bay Springs—Paving—Bd. of Aldermen, R. L. Abney, Mayor, may receive bids about June 5 for \$16,000, not to exceed 6% bonds. 5-17
- Miss., Brookhaven—School—Lincoln County votes June 1 on \$75,000 6% bonds.
- Miss., Corinth—Road, Bridge—Alcorn County considering \$600,000 bond election.
- Miss., Columbia—Cedar Grove Consolidated School Dist. voted bonds.
- Miss., Columbia—School—City plans \$25,000 bond issue.
- Miss., Ecorse—School—City voted \$20,000 bonds. 5-3
- Miss., Eupora—Filtering Plant—City voted \$10,000 bonds.
- Miss., Hattiesburg—Library—City, B. D. Moore, Mayor, votes June 12 on \$50,000 bonds.
- Miss., Laurel—Road—Jones County Bd. of Suprvs. considering \$600,000 bond election in Beats 1, 2 and 5.
- Miss., Pascagoula—Jackson County Bd. of Suprvs., receives bids June 1 for \$10,000 Escatawpa Consolidated School Dist. bonds.
- Miss., Tylertown—Road—Walhall County Second Dist. votes June 1 on \$12,000 bonds.
- Mo., Clayton—Road—St. Louis County may vote June 23 on \$10,000 bonds.
- Mo., Joplin—Viaduct—City voted \$30,000 bonds as its share for viaduct. 4-5
- Mo., Kansas City—Improvement—Chamber of Commerce and Provisional Bond Committee plan resubmitting \$31,000,000 bond issue soon.
- Mo., St. Louis—Improvement—City considering \$16,930,000 bond election in Nov., including \$2,500,000, underground parking space, etc.; \$225,000, sewers; \$250,000, repave and rebuild streets; \$1,500,000, fountains, reflecting pools, cascades, etc.; \$950,000, complete space for future use of courthouse; \$3,500,000, hospitals; \$4,000,000, lighting system; \$2,000,000, enlarge and equip Lambert-St. Louis Flying Field; W. W. Horner, City Engr. 5-17, 5-10
- N. C., Asheville—City plans selling \$125,000 to \$150,000 bonds in June; L. B. Rogers, Commr.
- N. C., Asheville—Buncombe County Bd. of Education plans \$50,000 bond election for West Asheville School Dist.
- N. C., High Point—Hospital—City votes July 3 on \$200,000 bonds.
- N. C., Kings Mountain—Water—Town plans \$250,000 bond issue.
- N. C., Pittsboro—Water, Sewer—Town voted \$50,000 bonds; J. B. McCrary Engineering Corp., Atlanta, Ga.
- N. C., Winston-Salem—Tuberculosis Hospital—Forsyth County votes June 2 on \$250,000 bonds. 1-12
- Okla., Muskogee—Road—Muskogee County Commrs. considering \$1,500,000 bond election.
- S. C., Columbia—Road—Richland County Commrs., W. C. Thomas, Clk., receive bids June 1 for \$500,000, \$1000 denom., not to exceed 5½% bonds.
- Tenn., Knoxville—Bridge—City votes in Aug. on bonds.
- Tenn., Selmer—Water, Sewer—City, W. K. Abernathy, Mayor, votes June 13 on \$70,000 bonds.
- Tex., Amarillo—Refunding—City votes May 26 on \$900,000 warrants.
- Tex., Anson—Road—Jones County, Owen Thomas, Judge, voted \$25,000 bonds.
- Tex., Dalworth Park—Water—City, T. J. Ferguson, Mayor, plans bond election.
- Tex., Denton—Ice Plant—City votes soon on \$35,000 bonds.
- Tex., Dickinson—Galveston County, Dickinson School Dist. voted \$60,000 bonds; O. E. Kennedy, Supt. of Education. 5-3
- Tex., Edinburg—Road—Hidalgo County, Pharr-San Juan Dist., plans \$1,500,000 bond election.
- Tex., Edna—Bd. of Trustees Edna Independent School Dist., R. W. Wells, Pres., receives bids May 26 for \$65,000 4½% bonds. 5-17
- Tex., El Campo—Paving—City votes June 12 on \$75,000 bonds.
- Tex., Fort Worth—Road, Bridge—Tarrant County may vote June 15, tentative date, on \$4,920,000 bonds: \$4,423,000, highways; \$497,000, bridges.
- Tex., Gainesville—Road—Cooke County probably call bond election last of July. 5-17
- Tex., Houston—Improvement—City, W. A. Moore, Sec., receives bids June 6 for \$2,080,000 \$1000 denom. bonds.
- Tex., Longview—B. N. Taylor, City Mgr., proposes \$180,000 bond issue for street, sewerage disposal plant, etc.
- Tex., Luling—Paving—City votes June 12 on \$10,000 bonds.
- Tex., Madisonville—Madisonville Independent School Dist. votes May 31 on \$88,000 bonds.
- Tex., Mount Vernon—Water, Sewer—City, W. J. Moore, Mayor, voted \$60,000 bonds.
- Tex., Newton—Road—Newton County considering bond election.
- Tex., Olton—Olton Independent School Dist. votes May 26 on \$40,000 bonds.
- Tex., Orangefield—School—Orangefield Bd. of Trustees may call \$50,000 bond election.
- Tex., Pampa—School—City votes May 31 on \$125,000 bonds.
- Tex., Plainview—Plainview Independent School Dist. votes June 16 on \$100,000 bonds.
- Tex., San Angelo—City Commrs. may issue \$50,000 bonds for recreational center.
- Tex., Waxahachie—Road—Ellis County, Ferris Precinct, voted \$250,000 bonds.
- Va., Hillsville—Road—Carroll County plans selling \$165,000 bonds: \$75,000, Pipers and Fancy Gaps Dist.; \$90,000, Laurel Fork.
- Va., Independence—Road—Grayson County Bd. of Suprvs., Joe W. Parsons, Clk., receives bids June 18 for \$6000, 5%, \$600 denom. Wilson Road Dist. bonds.
- Va., Kenbridge—Water, Sewer—Town plans \$90,000 bond election; J. B. McCrary Engineering Corp., Atlanta, Ga.
- Va., Lynchburg—Public Improvement—City, John M. Otey, Auditor, receives bids June 9 for \$600,000 4% bonds. 5-10
- Va., Richmond—Improvement—City will issue \$800,000 4¼ or 4½% municipal bonds July 1.
- Va., Suffolk—City, Charles L. Hutchins, Clk., receives bids May 28 for \$100,000 5% \$1000 denom. bonds for fire station, school and public improvements.
- W. Va., Beckley—Raleigh County, Slab Fork School Dist., votes May 27 on \$140,000 bonds.
- W. Va., Princeton—Street—City Council considering bond issue.
- W. Va., Point Pleasant—Road—Mason County, Hannon Road Dist., votes May 29 on \$68,000 6% \$500 bonds.
- W. Va., Benwood—Water—City may vote on \$200,000 bonds.

Bond Issues Sold

- Ala., Oxford—Refunding—City sold \$10,000 bonds to Steiner Bros., Birmingham.
- Ark., Little Rock—Road—M. W. Elkins & Co., Little Rock, purchased \$85,000 bonds.
- Fla., Inverness—Citrus County sold \$42,000 6% Special Tax School Dist. 1 bonds to Bank of Crystal River, 97.50.
- Ga., Bainbridge—Improvement—City sold \$45,000 bonds to Trust Co. of Georgia, of Atlanta, \$5050 premium. 3-15
- Ga., Bainbridge—Paving—Decatur County Commrs. sold \$150,000 bonds to Hibernia Securities Co., Atlanta, and New Orleans, \$9825 premium.
- Ky., Danville—Road—Boyle County sold \$10,000 4½% bonds to M. J. Farris, Jr., Danville, \$80 premium.
- Ky., Hickman—Road—Fulton County Fiscal Court sold \$50,000, 4½% bonds to Caldwell & Co., Nashville, Tenn., par.
- Ky., London—Sewer—City, W. R. Feltner, Clk., sold \$25,000 5% \$1000 denom. bonds to Otis & Co., Cleveland, Ohio, \$25,882 and accrued interest.
- Ky., Richmond—Sewer—City sold \$60,000 4½% bonds to Otis & Co., Cleveland, Ohio, \$682 premium. 4-19
- Md., Rockville—Montgomery County Commrs., Berry E. Clark, Clk., sold \$450,000, 4¼%, \$1,000 denom. bonds, jointly, to Baltimore Trust Co. and Hambleton & Co., both Baltimore, 106.18 and accrued interest; \$250,000, courthouse; \$150,000, school gymnasium; \$50,000, jail. 5-3
- Miss., Belzoni—City Hall, Fire Dept.—City, F. Pepper, Clk., sold \$16,000 bonds to Meridian Finance Corp., Meridian, Miss.
- Miss., Decatur—Drainage—Comms. Newton County Drainage Dist. 3, sold \$39,000 bonds to J. C. Brown.
- Miss., Decatur—School—Bd. of Education, E. R. Rowzee, Sec., sold \$50,000 school bonds to Memphis Bank and Trust Co., Memphis, Tenn.
- Miss., Hernando—Highway—DeSoto County sold \$25,000, Yazoo-Delta Continuous Highway Taxing Dist. bonds to A. K. Tigrett, 71 Madison St., Memphis, Tenn.
- Miss., Meridian—School—Lauderdale County sold \$50,000 bonds to Meridian Finance Corp. 5-17
- Miss., Vicksburg—School—Warren County Bd. of Suprvs. sold \$70,000 4½% bonds to National City Savings Bank and Trust Co., and Merchants National Bank and Trust Co., both Vicksburg, \$510 premium.
- Miss., West Point—Street—City sold \$18,000 5% bonds to First Savings Bank, West Point.
- Mo., Boonville—Road—Cooper County, R. D. Pealer, Clk., sold \$150,000 4¼% \$1000 denom. Boonville Township bonds, jointly, to Stern Brothers & Co., and Commerce Trust Co., Kansas City, \$151,500. 5-10
- N. C., Asheville—Buncombe County Bd. of Education, A. C. Reynolds, Supt. Public Instruction, sold \$100,000 4¼% Valley Springs Special School Taxing Dist. bonds to A. C. Allyn & Co., Chicago, Ill., \$1119 premium. 4-26

(Continued on page 100)

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FINANCIAL NEWS

(Continued from page 98)

N. C., Hendersonville—School Funding—Henderson County Comms. sold \$145,000 4% bonds to Assel, Goetz & Moerlein, Inc., Cincinnati, Ohio, \$2500 premium. 4-26

N. C., Sanford—Funding—Lee County Comms. sold \$92,000 4% bonds to Spitzer, Rorick & Co., Toledo, Ohio, \$2006 premium. 4-26

Okla., Wauwata—City sold \$12,000 \$500 denom. School Dist. 115 bonds to Calvert & Canfield, Oklahoma City. 5-17

S. C., Conway—City sold \$124,000 4% High School Dist. 1 bonds to Braun, Bosworth & Co., Toledo, Ohio, \$3310 premium. 4-12

Tenn., Dyersburg—Tax Anticipation—City sold \$70,000 bonds to Union and Planters Bank and Trust Co., Memphis. 5-17

Tex., Albany—Road—Shackelford County Comms. sold \$300,000 4% Road Dist. 2 bonds to Caldwell & Co., Nashville, Tenn., par, accrued interest and \$1090 premium. 5-10

Tex., Corpus Christi—Improvement—City Council approved sale of \$325,000 of \$500,000 bonds to H. F. Dunton, of Corpus Christi Mortgage & Investment Co., representing syndicate headed by B. F. Dittmar & Co., San Antonio, par, accrued interest and expenses. 5-17

Tex., Groom—Water—City sold \$35,000

5½% bonds to J. W. Knorpp, Groom, at par.

Tex., Harlingen—City sold \$30,000 Harlingen Independent School bonds to A. C. Aliya & Co., Chicago, Ill., \$2050 premium. 1-26

Tex., Matador—Water—City, J. T. Sanders, Sec.-Atty., sold \$50,000 5% \$1000 denom. coupon bonds to George L. Simpson & Co., Dallas, at par. 1-26

Tex., O'Donnell—Water—City, W. A. Tredway, Sec., sold \$40,000 5½% \$1000 denom. bonds to Brown-Crummer Co., Wichita, Kan., par, accrued interest, \$1528 premium. 2-9

Tex., Temple—Improvement—City, G. E. Byars, Mgr., sold \$340,000, 4½% bonds to Braun, Bosworth & Co., Toledo, Ohio, par, accrued interest and \$687.55 premium. 4-19

Va., Portsmouth—Road, Bridge—Norfolk County Bd. of Supvrs., A. B. Carney, Clk., sold \$150,000 4½% \$1000 denom. bonds to Provident Savings Bank and Trust Co., Cincinnati, Ohio, \$154,530. 5-3

W. Va., Charleston—State Sinking Fund Comm. purchased \$750,000 4¼% \$50,000 denom. road bonds, \$761,510, including accrued interest.

New Financial Corporations

Fla., St. Petersburg—Mortgage Security Corp. of St. Petersburg, chartered; H. Clay Crawford, Jr., S. S. Spencer, I. M. Simmons.

Ga., Folkston—Mizell Mortgage and Finance Co., Citizens Bank Bldg., organized; Wm. Mizell, Sr., Pres.; Wm. Mizell, Jr., Cashier.

N. C., Durham—Guaranty Mortgage Co., capital \$102,500; incorporated; H. A. Bynum, C. H. Lindley and W. W. Langly, all Pittsboro.

Tex., Duncanville—Clark Straus and R. L. Hammond, plan organizing bank.

Tex., Fort Stockton—Pecos County State Bank, capital \$25,000, chartered; J. M. Montgomery, Pres.; H. L. Winfield, V.-P.; F. A. Stubblefield, Sec.

Bd. of Directors of Mortgage Security Corporation of America J. A. Markel, V.-P. and Gen. Mgr., Flatiron Bldg., Norfolk, Va., authorized an additional \$5,000,000 bond issue; \$3,000,000 bonds will be released in June.

Fourth & First Nat'l Bank, J. E. Caldwell, Pres., Nashville, Tenn., plans increasing capital, \$2,000,000 to \$2,500,000.

Farmers Exchange Bank, Parkville, Mo., C. F. Breen, Pres., purchased First Natl. Bank, G. H. Bunting, Pres.

Holston Trust Co., J. P. Gaut, Pres., Knoxville, Tenn., plans increasing capital, \$200,000 to \$250,000.

Missouri Pacific Expending \$12,000,000 to Insure Dependable Service in Flood Periods.

In order to prevent interruptions and insure dependable service on its main lines during periods of extreme floods in adjacent streams, the Missouri Pacific Railroad Company, E. A. Hadley, chief engineer, St. Louis, is carrying out an extensive program of improvements which will entail the expenditure of about \$12,000,000. It has awarded contract to the Winston Brothers Company, Minneapolis, Minn., to raise its main track through the Fourche Bottoms, south of Little Rock, the work involving two tracks over a distance of two miles, the maximum lift being about 9 feet. The contract also includes reballasting the track when raised to the new elevation. About 155,000 yards of embankment material will be required.

Contracts have also been let to the List Construction Company, Kansas City, Mo., to raise the main track in five locations between Benton and Smithton, Ark., on the line to Texas and Mexico. One of these projects will cover the construction of a new main track parallel to, 36 feet distant from and about 9 feet above the present main track for a distance of nearly three miles through the Saline River bottoms south of Benton, the track to be so located that when a second main track is built in this location the major portion of the old roadbed will be incorporated in the embankment of the double track. The five projects will necessitate handling about 370,000 cubic yards of embankment material for raising and strengthening the roadbed, the contracts also covering reballasting track in four of the five locations after it has been raised. These projects are a few of the major items in the proposed plans, which call for raising main lines, strengthening bridges, culverts and roadbed.

\$260,000 Texas Technological Building Under Way.

Lubbock, Tex.—Work is under way on a new chemistry building for the Texas Technological College, for which general contract has been awarded to D. N. Weaverton, Lubbock, at \$209,081. Separate contracts have been awarded to Young & Pratt, Lubbock, for heating and plumbing, and to the American Automatic Appliance Company, Amarillo, for electric wiring. The building will be 232 by 107 feet, 3 stories,

of Spanish architecture, brick, tile and stone construction with tile roof and concrete floors. With equipment and furnishings, it will cost about \$260,000. Wyatt C. Hedrick, Inc., Fort Worth, is the architect. Sub-contracts have been awarded as follows:

Steel—North Texas Iron and Steel Company, Fort Worth.
Stone—Bedford-Carthage Stone Corporation, Houston.
Tile, slate and marble—Taylor Tile and Marble Company, Wichita Falls, Tex.

North Carolina Had Record Mineral Output in 1926.

In a review of the mining industry in North Carolina, Herman J. Bryson, State Geologist, shows that the value of the mineral production of that State in 1926 amounted to \$11,274,000, which was the highest ever recorded. It was \$223,000 greater than the former record of 1923. Statistics of resources and production of various minerals mined in the State are shown in detail in Economic Paper No. 62 submitted to Governor A. W. McLean, by the North Carolina Department of Conservation and Development, Raleigh.

There was a substantial increase in production of all minerals with the exception of gold and iron. The heavy clay products, such as brick, tile, pottery, sewer pipe, etc., continue to lead in total production with a value of \$4,235,000, while stone, granite, trap, limestone and marble come second with a value of \$4,140,000. The feldspar industry of the State in 1926 ranked fourth in value of production, with a total output of \$602,000. The production of principal minerals in North Carolina for 1925 and 1926 is given in the following table:

Mineral	1925	1926
Barytes	.....	.....
Brick and tile	\$4,170,445	\$4,225,653
Clay (kaolin)	319,599	331,487
Cement products	529,818	.....
Coal	283,000	243,000
Copper	.....	178,416
Feldspar	496,563	602,020
Gold	18,615	1,631
Granite	2,865,040	3,802,017
Iron	49,511	83,045
Limestone, marble and marl	825,486	338,811
Mica	180,198	204,410
Millstones	.....	.....
Pottery	.....	31,248
Sand and gravel	886,351	968,021
Silver	.....	13
Talc, pyrophyllite and soapstone	48,550	97,004
Miscellaneous	26,246	217,448
Total	\$10,699,422	\$11,274,224

*Included under miscellaneous.

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Latest data available will be found covering general topics of population, manufacturing, agriculture, mining, building and construction, airways, highways, waterways, banking, etc.; and if you are looking for the extent of Southern farming, variety of crops or individual crop statistics, or if investigating the expansion or variety of Southern industry, or a particular industry, or if interested in the South's mineral resources and development, magnitude of its construction operations, scope of the South's population and power facilities, or many other interesting facts about the South. All this is completely covered in the 1928 edition of the BLUE BOOK OF SOUTHERN PROGRESS.

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MANUFACTURERS RECORD
BALTIMORE, MD.

EXTRACTS FROM REPORT OF THE DIRECTORS

OF THE

Seaboard Air Line Railway Company

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1927

INCOME ACCOUNT FOR THE YEAR ENDED DECEMBER 31, 1927, COMPARED WITH YEAR ENDED DECEMBER 31, 1926.

	1927	1926	Increase
Railway Operating Revenues.....	\$61,790,149.93	\$67,024,853.80	\$5,234,703.87*
Railway Operating Expenses.....	46,873,315.06	49,253,001.64	2,379,686.58*
Net Revenue from Railway Operations.....	\$14,916,834.87	\$17,771,852.16	\$2,855,017.29*
Railway Tax Accruals.....	3,567,048.89	3,472,001.02	95,047.87
Uncollectible Railway Revenues.....	33,436.34	18,953.15	14,483.19
Railway Operating Income.....	\$11,316,349.64	\$14,280,897.99	\$2,964,548.35*
Equipment Rents—Dr.....	814,954.70	2,129,363.48	1,314,408.78*
Joint Facility Rents—Dr.....	112,635.15	137,356.04	24,720.89*
Net Railway Operating Income.....	\$10,388,759.79	\$12,014,178.47	\$1,625,418.68*
Other Income.....	2,235,530.74	1,899,943.33	335,587.36
Gross Income.....	\$12,624,290.53	\$13,914,121.85	\$1,289,831.32*
Rents and Other Charges.....	2,791,464.45	1,880,584.24	910,880.21
Applicable to Interest.....	\$9,832,826.08	\$12,033,537.61	\$2,200,711.53*
Fixed Interest Charges.....	8,551,249.54	7,604,867.55	946,381.99
Interest Adjustment Mortgage (Income) Bonds.....	1,250,000.00	1,250,000.00	.....
Net Income.....	\$31,576.54	\$3,178,670.06	\$3,147,093.52*
*Decrease.			

CONDENSED GENERAL BALANCE SHEET, DECEMBER 31, 1927.

ASSETS.	
INVESTMENTS:	
Investment in Road and Equipment.....	\$237,863,288.43
Sinking Funds.....	710.81
Deposits in Lieu of Mortgaged Property Sold.....	189,549.43
Miscellaneous Physical Property.....	4,145,929.12
Investments in Affiliated Companies.....	22,850,519.88
Other Investments.....	5,094,533.38
Total.....	\$268,144,531.05
CURRENT ASSETS:	
Cash with Treasurer.....	\$2,967,535.04
Cash in Transit.....	897,820.42
Special Deposits—Cash with Fiscal Agencies and Trustees.....	1,013,272.86
Loans and Bills Receivable.....	86,483.75
Traffic and Car Service Balances Receivable.....	1,300,321.08
Net Balances Receivable from Agents and Conductors.....	370,274.69
Miscellaneous Accounts Receivable.....	1,680,833.64
Material and Supplies.....	5,558,179.14
Interest and Dividends Receivable.....	409,403.45
Rents Receivable.....	4,076.04
Other Current Assets.....	112,540.38
Total.....	14,400,740.49
Deferred Assets.....	474,977.80
Unadjusted Debits.....	1,811,211.92
Grand Total.....	\$284,831,461.26
LIABILITIES.	
CAPITAL STOCK:	
Common Capital Stock.....	\$37,019,100.00
Preferred 4-5% Capital Stock.....	23,884,100.00
Preferred 6% Capital Stock.....	37,300.00
Total.....	\$60,950,500.00
FUNDED DEBT UNMATURED:	
Equipment Obligations.....	28,698,000.00
Mortgage Bonds Proprietary Companies.....	32,636,000.00
S. A. L. Railway First Mortgage Bonds.....	12,775,000.00
S. A. L. Railway Refunding Mortgage Bonds.....	19,350,000.00
S. A. L. Railway Company First and Consolidated Mortgage Bonds, Series "A".....	50,747,500.00
INCOME BONDS:	
S. A. L. Railway Adjustment Mortgage Bonds.....	25,000,000.00
MISCELLANEOUS OBLIGATIONS:	
Secretary of Treasury of United States—Notes.....	14,443,887.84
Director General of Railroads, United States—Note.....	2,000,000.00
Union Signal Construction Company—Deferred Payments under Interlocking and Signal Contracts.....	1,595,280.00
Total.....	187,245,667.84
Non-Negotiable Debt to Affiliated Companies.....	1,246,368.62
CURRENT LIABILITIES:	
Loans and Bills Payable.....	1,050,000.00
Traffic and Car Service Balances Payable.....	877,748.62
Audited Accounts and Wages Payable.....	5,060,841.54
Miscellaneous Accounts Payable.....	320,108.28
Interest Matured Unpaid.....	847,590.66
Funded Debt Matured Unpaid.....	149,627.20
Unmatured Interest Accrued.....	2,639,363.69
Unmatured Rents Accrued.....	985,343.34
Other Current Liabilities.....	114,892.37
Total.....	12,044,515.70
Deferred Liabilities.....	505,636.43

UNADJUSTED CREDITS:	
Accrued Taxes.....	2,383,912.87
Accrued Depreciation—Equipment.....	9,783,181.70
Reserve for Outstanding Stock of Proprietary Companies.....	19,226.41
Other Unadjusted Credits.....	2,345,954.80
Total.....	14,532,275.78
CORPORATE SURPLUS:	
Additions to Property through Income and Surplus.....	622,581.12
Funded Debt Retired through Income and Surplus.....	4,151.87
Profit and Loss—Surplus.....	7,679,763.90
Total.....	8,306,496.89
Grand Total.....	\$284,831,461.26

Accumulated and unpaid interest on Adjustment Mortgage (Income) Bonds amounting to \$3,333,333.34 and payable out of future income, or otherwise, or at the maturity of the bonds is not comprehended in the above balance sheet.

The Company is liable as a Guarantor of the following Securities and Obligations:

Birmingham Terminal Co. First Mortgage—Seaboard proportion 1/6 of \$1,940,000.00	1,000,000.00
Georgia and Alabama Terminal Company First Mortgage.....	3,500,000.00
Jacksonville Terminal Co. Refunding and Extension Mortgage—Seaboard proportion 1/4 of.....	1,529,000.00
Macon, Dublin and Savannah Railroad Company First Mortgage.....	\$10,000,000.00
Richmond-Washington Co. Collateral Trust Mortgage—Seaboard proportion 1/6 of.....	27,194,000.00
Seaboard-All Florida Railway, Florida Western & Northern Railroad Company and East and West Coast Railway Joint and Several First Mortgage.....	1,184,000.00
Tampa & Gulf Coast Railroad Company First Mortgage.....	2,905,000.00
The Seaboard-Bay Line Company Section 210 Notes.....	3,207,082.65
Other Guaranties.....	

GENERAL REMARKS.

In the latter half of 1927 the Company, together with other carriers in the southeast, suffered a perceptible temporary recession in its revenues as compared with 1926. In 1926 the Company had expanded its organization for the purpose of effectively taking care of the heavy traffic in that year. At the close of the year plans for making substantial reductions in operating expenses to meet the decrease in revenues and sound economies in operating expenses of a permanent character had been formulated, most of which were made effective during the early part of 1928 and will be fully reflected after the earlier months of that year. The reductions in maintenance expenditures in 1927 were made judiciously with a view of preventing impairment of the Company's property and its ability to handle increased traffic as business conditions improve. A marked improvement in business is looked for in 1928. The stabilization in Florida with resultant increases in industrial and agricultural pursuits is apparent and satisfactory improvement in traffic can be expected from that direction. The increased movements of fertilizer indicates agricultural prosperity in 1928. Cordial relations with the public have continued and the furtherance of public goodwill is the aim of your management.

Memorial resolutions adopted by the Board of Directors at its first meeting after the death of the late Chairman of the Board and President, Mr. S. Davies Warfield, are made a part of the report.

The appreciation of the Board is extended to the officers and employees of the Company in recognition of the faithful and efficient performance of their duties.



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PROPOSALS

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Bids close June 21, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., May 17, 1928.—SEALED BIDS will be opened in this office at 3 P. M. June 21, 1928, for new basement and basement entrance, etc., at the U. S. Postoffice at Cuero, Texas. Drawings and specifications may be obtained from the custodian of the building or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Bids close June 19, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., May 19, 1928.—SEALED BIDS will be opened in this office at 3 P. M. June 19, 1928, for construction of new water tank, filters, etc., at the U. S. Marine Hospital (National Home for Lepers), Carville, La. Drawings and specifications may be obtained from the medical officer in charge at Carville, La., or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Bids close June 20, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., May 21, 1928.—SEALED BIDS will be opened in this office at 3 P. M. June 20, 1928, for rehabilitation of river bulkhead, back filling, repairs of isolation ward, fencing and incidental work at the U. S. Quarantine Station, Marcus Hook, Pa. Drawings and specifications may be obtained from the medical officer in charge of the station or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Bids close June 15, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., May 15, 1928.—SEALED PROPOSALS will be opened in this office at 3 P. M. June 15, 1928, for furnishing all labor and material required for a gas-steam heating system, etc., in the U. S. Postoffice at Brownsville, Texas. Drawings and specifications may be obtained from the custodian at the U. S. Postoffice at Brownsville, Texas, or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Bids close June 5, 1928.

SEALED BIDS, in triplicate, subject to the conditions contained herein, will be received by the U. S. Veterans' Bureau, Room 791 Arlington Building, Washington, D. C., until 11 A. M. June 5, 1928, and then publicly opened, for furnishing all labor and materials and performing all work for Infirmary Building No. 1, including roads, walks and drainage at U. S. Veterans' Hospital, Fargo, North Dakota. This work will include excavating, reinforced concrete construction, hollow tile, brickwork, cast stone, marble work, floor and wall tile, linoleum, rubber tile, iron work, steel sash, iron stairs, with slate treads; fire escapes, built-up roofing, roof ventilators, metal lathing, plastering, carpentry, dumbwaiter, metal weatherstrips, insect screens, painting, glazing, hardware, plumbing, heating, including boiler-plant equipment; electrical work, electric elevator, radial brick or concrete chimney and outside sewer, water and electric distribution systems. Separate bids will be received for electric elevator. Bids will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and in making awards the records of bidders for expedition and satisfactory performance on contracts of similar character and magnitude will be carefully considered. At the discretion of the Director, drawings and specifications may be obtained upon application to the Construction Division, Room 791 Arlington Building, Washington, D. C. Deposit with application of a check or postal money order for \$25, payable to the TREASURER OF THE UNITED STATES, is required as security for safe return of drawings and specifications within ten days after date of opening bids. FRANK T. HINES, Director. May 12, 1928.

Bids close June 13, 1928.

\$500,000 4% Bridge Loan of 1927

STATE OF MARYLAND
TREASURY DEPARTMENT

Annapolis, Md.

Pursuant to Chapter 47 of the Acts of the General Assembly of Maryland of 1927, providing for the issue of the Certificates of Indebtedness herein mentioned and described, and pursuant also to a resolution of the Board of Public Works of Maryland, passed on February 8, 1928, and on file and open to inspection in the office of the said Board in Annapolis, Maryland, the Treasurer of the State of Maryland will receive bids or proposals for Certificates of Indebtedness of the State of Maryland as follows:

\$500,000 FOUR PER CENT CERTIFICATES OF INDEBTEDNESS KNOWN AS "BRIDGE LOAN OF 1927."

Said Certificates of Indebtedness will be dated June 15, 1928. They will bear interest at the rate of four per centum (4%) per annum, payable semi-annually on the 15th days of December and June, respectively, in each and every year during the continuance of the loan. The principal of said loan will be payable upon the Serial Annuity Plan, as more fully set forth in said Act of 1927, Chapter 47, as follows:

"BRIDGE LOAN OF 1927."

Series	Amount	Redeemable
"N"	\$29,000	June 15, 1931
"O"	31,000	June 15, 1932
"P"	32,000	June 15, 1933
"Q"	33,000	June 15, 1934
"R"	35,000	June 15, 1935
"S"	36,000	June 15, 1936
"T"	38,000	June 15, 1937
"U"	40,000	June 15, 1938
"V"	42,000	June 15, 1939
"W"	43,000	June 15, 1940
"X"	45,000	June 15, 1941
"Y"	47,000	June 15, 1942
"Z"	49,000	June 15, 1943

The said Certificates of Indebtedness will be of the denomination of \$1000 each, subject to registration as to principal, and all will be issued with interest coupons attached.

This loan and the interest payable thereon is exempt from the Federal income tax, and from State, County and Municipal taxation.

The said bids or proposals must be delivered to the Treasurer of the State at his office in Annapolis, Maryland, before 12 o'clock noon on WEDNESDAY, June 13, 1928. Each bid must be for cash on delivery, and must be inclosed in a sealed envelope addressed on the outside, "Proposal for Bridge Loan of 1927." Each bid must be accompanied by a certified check upon some responsible banking institution, drawn to the order of the Treasurer of Maryland for five per centum (5%) of the par value of the amount bid for. All bids or proposals will be opened at 12 o'clock noon on June 13, 1928, in the presence of the undersigned.

On the opening of said proposals, as many of said Certificates of Indebtedness as have been bid for, not exceeding, however, the amount for which proposals are invited, may be awarded by the Governor, the Comptroller of the Treasury and the Treasurer, or a majority of them, to the highest responsible bidder or bidders therefor for cash; and if two or more responsible bidders have made the same bid and such bid is the highest, and the Certificates so bid for by such highest responsible bidders are in excess of the whole amount of Certificates as offered for sale, then such Certificates of Indebtedness may be awarded in a ratable proportion to such responsible bidders bidding the same price.

The undersigned may, in their discretion, accept one bid for all of said loan or separate bids for parts of said loan, as may produce the largest amount; and they may, in their discretion, accept bids which may be for parts of said loan, but are not for all, and they reserve the right in their discretion to reject all bids or any bids.

The Certificates of Indebtedness awarded will be delivered to the successful bidder or bidders, upon receipt of the amount of the successful bid or bids, on Friday, June 15, 1928, at the office of the State Treasurer, Annapolis, Maryland.

Bidders are referred to the said Chapter 47 of the Acts of the General Assembly of Maryland of 1927 as containing the full terms and provisions of this loan.

It is one of the terms of this offering that the bonds, when issued, will be the legal and valid binding obligations of the State. The opinion of the Attorney-General of Maryland to this effect will be delivered to the successful bidder. Bidders may, if they wish, make the legality and validity of the bonds one of the terms of the bid by making the bid "subject to legality" or using any equivalent form of expression, but without leaving this question to the decision of the bidders or their counsel. All bids conditioned upon the approval of bidders or counsel, whether named or unnamed, will be treated as conditional bids and rejected, unless the condition is waived by the bidder to the satisfaction of the Board before the opening of the bid.

ALBERT C. RITCHIE, Governor.
WILLIAM S. GORDY, JR., Comptroller of the Treasury.
JOHN M. DENNIS, Treasurer.

Bids close June 27, 1928.

\$536,750 5% School Bonds

Lafayette, La.

The Board of School Directors of Lafayette Parish, Lafayette, Louisiana, will, up to 11 o'clock on the Twenty-seventh day of June, 1928, receive sealed bids for the purchase of \$536,750 Bonds of Consolidated School District Number 11 of Lafayette Parish, Louisiana. These bonds are issued for the purpose of acquiring lands for building sites and playgrounds and purchasing, erecting, improving, equipping and furnishing school buildings and teachers' homes in said District; are of the denomination of \$1000 each, except one (1) bond, which is of the denomination of \$750; are dated July 2, 1928, and mature serially on July 2 of each of the years 1931 to 1968, inclusive. These bonds bear interest at the rate of five per cent (5%) per annum, payable semi-annually on the second days of January and July of each year, and bidders are requested to so condition their bids. Principal and interest shall be payable at a bank fixed by the purchaser.

Each bid shall be addressed to J. W. Faulk, Superintendent of said Parish, and shall be accompanied by a certified check for \$27,000, payable to the order of J. W. Faulk, Superintendent, and payable unconditionally as evidence of the good faith of the bidder. Checks of the unsuccessful bidders will be returned to them promptly, and the check of the successful bidder will be returned to him upon his taking up and paying for the bonds, in accordance with his bid, or will be forfeited to said Consolidated School District Number 11 as full liquidated damages in the event of his failure to comply with the terms of his bid.

The District will furnish the approving opinion of Messrs. Chapman and Cutler, Lawyers, Chicago, Illinois, under whose direction all proceedings have been prepared, and all bids must be so conditioned. Blank bonds are to be furnished by the purchaser.

If any bidder desires to specify, as a condition of his bid, that the proceeds of the sale shall be deposited in a bank of his selection, as permitted by Act Number 13 of 1924, he is requested to also submit an additional bid stating the amount of premium he is willing to pay without the privilege of the selection of a depository.

The Board reserves the right to reject all bids. Bonds must be sold at not less than par.

J. W. FAULK,
Parish Superintendent.

Bids close June 18, 1928.

\$6000 District Road Bonds

Independence, Va.

The Board of Supervisors of Grayson County will sell by sealed bids or at public auction \$6000 Wilson District Road Bonds on June 18, 1928, at 2 P. M. at Independence, Va., at the Courthouse. Interest 5% semi-annually. Issued July 1, 1928. Time 1 to 10 years. Denomination \$600 each. Certified check required, \$150. Financial Statement furnished on request. Bidder to furnish bonds.

BOARD OF SUPERVISORS OF GRAYSON COUNTY, VA.

By JOE W. PARSONS, Clerk.

Bids close June 13, 1928.

\$750,000 4% Lateral and Post Road Loan of 1927

STATE OF MARYLAND
TREASURY DEPARTMENT

Annapolis, Md.

Pursuant to Chapter 454 of the Acts of the General Assembly of Maryland of 1927, providing for the issue of the Certificates of Indebtedness herein mentioned and described, and pursuant also to a resolution of the Board of Public Works of Maryland, passed on February 8th, 1928, and on file and open to inspection in the office of the said Board in Annapolis, Maryland, the Treasurer of the State of Maryland will receive bids or proposals for Certificates of Indebtedness of the State of Maryland as follows:

\$750,000 FOUR PER CENT CERTIFICATES OF INDEBTEDNESS KNOWN AS "LATERAL AND POST ROAD LOAN OF 1927."

Said Certificates of Indebtedness will be dated June 15th, 1928. They will bear interest at the rate of four per centum (4%) per annum, payable semi-annually on the 15th days of December and June, respectively, in each and every year during the continuance of the loan. The principal of said loan will be payable upon the Serial Annuity Plan, as more fully set forth in said Act of 1927, Chapter 454, as follows:

Series	Amount	Redeemable
"N"	\$44,000	June 15, 1931
"O"	46,000	June 15, 1932
"P"	48,000	June 15, 1933
"Q"	50,000	June 15, 1934
"R"	52,000	June 15, 1935
"S"	54,000	June 15, 1936
"T"	57,000	June 15, 1937
"U"	59,000	June 15, 1938
"V"	62,000	June 15, 1939
"W"	65,000	June 15, 1940
"X"	68,000	June 15, 1941
"Y"	71,000	June 15, 1942
"Z"	74,000	June 15, 1943

The said Certificates of Indebtedness will be of the denomination of \$1000 each, subject to registration as to principal, and all will be issued with interest coupons attached.

This loan and the interest payable thereon is exempt from the Federal income tax and from State, County and Municipal taxation.

The said bids or proposals must be delivered to the Treasurer of the State at his office in Annapolis, Maryland, before 12 o'clock noon on WEDNESDAY, JUNE 13, 1928. Each bid must be for cash on delivery, and must be inclosed in a sealed envelope addressed on the outside, "Proposal for Lateral and Post Road Loan of 1927." Each bid must be accompanied by a certified check upon some responsible banking institution, drawn to the order of the Treasurer of Maryland for five per centum (5%) of the par value of the amount bid for. All bids or proposals will be opened at 12 o'clock noon on June 13, 1928, in the presence of the undersigned.

On the opening of said proposals, as many of said Certificates of Indebtedness as have been bid for, not exceeding, however, the amount for which proposals are invited, may be awarded by the Governor, the Comptroller of the Treasury and the Treasurer, or a majority of them, to the highest responsible bidder or bidders therefor for cash; and if two or more responsible bidders have made the same bid and such bid is the highest, and the Certificates so bid for by such highest responsible bidders are in excess of

the whole amount of Certificates as offered for sale, then such Certificates of Indebtedness may be awarded in a ratable proportion to such responsible bidders bidding the same price.

The undersigned may, in their discretion, accept one bid for all of said loan or separate bids for parts of said loan, as may produce the largest amount; and they may, in their discretion, accept bids which may be for parts of said loan, but are not for all, and they reserve the right in their discretion to reject all bids or any bids.

The Certificates of Indebtedness awarded will be delivered to the successful bidder or bidders, upon receipt of the amount of the successful bid or bids, on Friday, June 15, 1928, at the office of the State Treasurer, Annapolis, Maryland.

Bidders are referred to the said Chapter 454 of the Acts of the General Assembly of Maryland of 1927 as containing the full terms and provisions of this loan.

It is one of the terms of this offering that the bonds, when issued, will be the legal and valid binding obligations of the State. The opinion of the Attorney-General of Maryland to this effect will be delivered to the successful bidder. Bidders may, if they wish, make the legality and validity of the bonds one of the terms of the bid by making the bid "subject to legality" or using any equivalent form of expression, but without leaving this question to the decision of the bidders or their counsel. All bids conditioned upon the approval of bidders or counsel, whether named or unnamed, will be treated as conditional bids and rejected, unless the condition is waived by the bidder to the satisfaction of the Board before the opening of the bid.

ALBERT C. RITCHIE, Governor.
WILLIAM S. GORDY, JR., Comptroller of the Treasury.
JOHN M. DENNIS, Treasurer.

Bids close May 29, 1928.

Bridges

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION

NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building five bridges as follows:

Washington County, Cont. W-54—Reconstruction of roadway on bridge over Potomac River at Hancock, which work includes placing and furnishing new I-Beam stringers, new laminated floor and traffic plates.

Prince George's County, Cont. P-80—One single 34-foot 0-inch span, reinforced concrete girder bridge on the road from Marlboro to Camp Springs.

Charles County, Cont. Ch-48—Double-span reinforced concrete girder bridge, each span 24 feet 0 inches clear, over Mattawoman Run, together with all necessary excavation, surfacing, etc.

Talbot County, Cont. T-31—Double-span reinforced concrete slab bridge, each span 18 feet 0 inches clear, on the road from Queen Anne to Cordova over Norwich Creek, together with all necessary excavation, stream changes, etc.

Cecil County, Cont. Ce-69—Two reinforced concrete bridges over Rock Run on the road from Port Deposit to Liberty Grove.

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 29th day of May, 1928, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 16th day of May, 1928.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

Bids close June 5, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., May 12, 1928.—SEALED PROPOSALS will be opened in this office at 3 P. M. June 5, 1928, for furnishing all labor and material required for a new heating boiler, etc., in the U. S. Postoffice and Courthouse at Jackson, Tenn. Drawings and specifications may be obtained from the custodian at the U. S. Postoffice and Courthouse at Jackson, Tenn., or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Bids close June 18, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., May 17, 1928.—SEALED PROPOSALS will be opened in this office at 3 P. M. June 18, 1928, for furnishing all labor and material required for installing new brass water piping, etc., in the U. S. Postoffice and Courthouse at Jackson, Miss. Drawings and specifications may be obtained from the custodian at the U. S. Postoffice and Courthouse at Jackson, Miss., or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Bids close June 6, 1928.

Sealed Bids, indorsed "Bids for Kitchen Equipment, Specification No. 5603," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock A. M. June 6, 1928, and then and there publicly opened, for kitchen equipment for barracks at the Marine Barracks, Quantico, Va. Specification No. 5603 and accompanying drawings may be obtained on application to the Bureau or to the Commanding General, Marine Barracks, Quantico, Va. Deposit of a check or postal money order for \$10, payable to the Chief of the Bureau of Yards and Docks, is required for the safe return of the drawings and specification. L. E. GREGORY, Chief of Bureau, May 8, 1928.

Bids close May 29, 1928.

State Highways

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION

NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building six sections of State Highway as follows:

Washington County, Cont. W-56—One section of State Highway from Cascade to Camp Ritchie for a distance of 0.78 mile. (Macadam.)

Montgomery County, Cont. M-110—One section of State Highway along Georgia Avenue, through Silver Springs, a distance of 0.84 mile. (Concrete.)

Anne Arundel County, Cont. AA-57—One section of State Highway from Millersville toward Garbills for a distance of 1.45 miles. (Concrete.)

Harford County, Cont. H-66—One section of State Highway between Federal Hill and Clermont Mills for a distance of 1.0 mile. (Concrete.)

Queen Anne County, Cont. Q-41—One section of State Highway between Queen Anne and Starr for a distance of 1.0 mile. (Concrete.)

Anne Arundel County, Cont. No. 314-A—One section of State Highway along the Camp Meade Road between Pumphrey and Stoney Run, a distance of 2.5 miles. (Concrete Shoulders.)

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 29th day of May, 1928, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form, which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 10th day of May, 1928.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

Bids close June 5, 1928.

PROPOSALS FOR STEEL HULL—Office, Third Mississippi River District, P. O. Box 404, Vicksburg, Miss. Sealed bids for constructing one Steel Hull for Mat Barge and delivering it at Vicksburg, Miss., will be received here until 11 A. M., June 5, 1928, and then opened. Information on application.

Bids close June 20, 1928.

Invitations have been issued by the Architect of the Capitol for the presentation of plans, specifications and estimates for the ventilation and air conditioning of the Hall of the House of Representatives, and bids therefor will be opened on Wednesday, June 20, 1928, at 2 o'clock P. M. Detailed information concerning the work to be performed can be obtained by addressing David Lynn, Architect of the Capitol, Washington, D. C.

Bids close June 14, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., May 16, 1928.—**SEALED BIDS** will be opened in this office at 3 P. M. June 14, 1928, for furnishing all labor and material required for installing gas service main, gas piping, gas burners, etc., at the National Home for Lepers at Carville, La. Drawings and specifications may be obtained from the custodian at the National Home for Lepers at Carville, La., or at this office, in the discretion of the Supervising Architect, JAS. A. WETMORE, Acting Supervising Architect.

Bids close June 5, 1928.

State Highways

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION

NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building eight sections of State Highway as follows:

Montgomery County, Cont. M-67—One section of State Highway from Claysville toward Olney for a distance of 1.0 mile. (Concrete.)

Harford County, Cont. H-65—One section of State Highway from Level toward Darlington for a distance of 0.97 mile. (Concrete.)

Dorchester County, Cont. D-49—One section of State Highway between Thomas Corner and Secretary for a distance of 1.02 miles. (Concrete.)

Allegheny County, Cont. No. 258-A—One section of State Highway along the Bedford Road from the Naves Cross Road toward the Penna. State Line for a distance of 3.28 miles. (Concrete Shoulders and Resurfacing.)

Howard County, Cont. Ho-36-A—One section of State Highway along the Lawyers Hill Road from the Washington-Baltimore Blvd. to the Montgomery Road, a distance of 1.82 miles. (Macadam Shoulders.)

Harford County, Cont. No. 105-A—One section of State Highway along the Pylesville Road from the Penna. State Line toward Pylesville for a distance of 2.0 miles. (Concrete Shoulders.)

Harford County, Cont. H-16-A—One section of State Highway between Swann Creek and Havre de Grace, a distance of 2.97 miles. (Concrete Shoulders.)

Cecil County, Cont. Ce-11-B—One section of State Highway between North East and Elkton for a distance of 4.67 miles. (Concrete Shoulders and Resurfacing.)

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 5th day of June, 1928, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form, which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 17th day of May, 1928.

JOHN N. MACKALL, Chairman.

L. H. STEUART, Secretary.

Bids close July 31, 1928.

Proposals for Bridge Franchise Across the Red River at or Near Coushatta, Louisiana

Baton Rouge, La.

The Louisiana Highway Commission will, at 11 o'clock A. M. on TUESDAY, JULY 31, 1928, at its offices in the Raymond Building, Baton Rouge, Louisiana, receive proposals for the construction, operation and maintenance of a highway traffic bridge across the Red River at or near Coushatta, Louisiana. All proposals must be in sealed envelopes, addressed to the Chairman of the Louisiana Highway Commission, and must be accompanied by a certified check for \$10,000, payable to the Louisiana Highway Commission, as an evidence of good faith. All checks of unsuccessful bidders to be immediately returned after the franchise has been awarded. The check of successful bidder will be retained by the Commission until it is replaced with a bond for \$25,000, with the successful bidder as principal, and a surety company authorized to do business in the State of Louisiana as surety, conditioned upon the beginning of the work upon the bridge at such time as may be specified in the franchise. All bidders must be able to furnish bond of five (5%) per cent of the estimated cost of the bridge conditioned upon the faithful performance of the franchise, to be filed with the Louisiana Highway Commission at the time the work on the said bridge is begun.

Bids may be made in the alternative for either an exclusive highway traffic bridge, or a combination railroad and highway traffic bridge, and provision must be made in all of the proposals submitted for the amortization of that portion of the bridge devoted to highway traffic, if a combination bridge, or for the entire bridge, if an exclusive highway traffic bridge, with further provision for making the bridge free for highway traffic at the earliest possible time.

The Commission reserves the right to reject any and all proposals, or to select the proposal which seems most desirable and advisable for developing and perfecting the State Highway System of this State, and to enter into a contract accordingly.

LOUISIANA HIGHWAY COMMISSION.
By FRANK T. PAYNE,
Chairman.

Bids close June 15, 1928.

State Highway Construction

Nashville, Tenn.

Sealed bids will be received by the State of Tennessee, Department of Highways and Public Works, at their offices in the Memorial Building, Nashville, at 10 A. M. Friday, June 15, 1928, and opened publicly at that hour, for the construction of the following projects:

PROJECT NO. 121-B. HUMPHREYS COUNTY—Construction of 5.521 miles of pavement on State Highway No. 1 between Waverly and Gorman. The grading and drainage on this project has been completed under a former contract.

PROJECT NO. 169-C and 71-B. OBION-LAKE COUNTIES—Construction of bituminous surface treatment on 19.6 miles of State Highway No. 21 between Troy and Tiptonville.

PROJECT NO. 384-B. DAVIDSON COUNTY—Grading and drainage of 8.346 miles of State Highway No. 11 between Nashville and Williamson County line.

PROJECT NO. 396-A. RUTHERFORD COUNTY—Construction of bituminous surface treatment on 20.0 miles of State Highway No. 51 between the Williamson County line and Murfreesboro.

PROJECT NO. 396-B. RUTHERFORD COUNTY—Construction of bituminous surface treatment on 12.0 miles of State Highway No. 51 between Murfreesboro and the Wilson County line.

PROJECT NO. 396-C. WILSON COUNTY—Construction of bituminous surface treatment on 17.0 miles of State Highway No. 51 between the Rutherford County line and Lebanon.

PROJECT NO. 397-A. LINCOLN COUNTY—Construction of bituminous surface treatment on 12.5 miles of State Highway No. 10 between Fayetteville and the Alabama State line.

PROJECT NO. 398-A. CARTER COUNTY—Construction of bituminous surface treatment of 3.1 miles of State Highway between Milligan College and the Unicoi County line.

PROJECT NO. 398-B & C. CARTER COUNTY—Construction of bituminous surface treatment on 12.6 miles of State High-

way No. 37—Section B, 12.0 miles between the North Carolina State line and a point west. Section C, 0.6 mile between Elizabethton and Hampton.

PROJECT NO. 399-A. POLK COUNTY—Construction of bituminous surface treatment on State Highway No. 40 of 5.0 miles between Copper Hill and Ducktown.

PROJECT NO. 501-A. ROANE COUNTY—Construction of bituminous surface treatment on 5.8 miles of State Highway No. 29 between Rockwood and the Rhea County line.

PROJECT NO. 502-A. SEVIER COUNTY—Construction of bituminous surface treatment on 11.5 miles of State Highway No. 35 between Sevierville and the Knox County line.

PROJECT NO. 502-B. SEVIER COUNTY—Construction of bituminous surface treatment on 7.0 miles of State Highway No. 71 between Sevierville and Pigeon Forge.

Bidder's bond, on the form furnished with the proposal from a surety acceptable to this Department, or certified check, made payable to this Department, in the amount of not less than five per cent (5%) of the total bid must accompany the bid as evidence of good faith and as guarantee that if awarded the contract the bidder will execute and give bond as required.

Plans are furnished at cost, with no refund. Standard Specifications are furnished at a charge of \$1.00, with no refund. Proposals are furnished free of charge.

The right to reject any or all bids is reserved.

HARRY S. BERRY,
Commissioner.

Bids close May 31, 1928.

Street Improvements

Huntsboro, Ala.

Sealed bids will be received by the Mayor and Town Council at the office of Town Clerk, Huntsboro, Alabama, until 11 A. M. May 31, 1928, and at that time publicly opened, for street improvements under Improvement Ordinance No. 1, payment for which will be made in Special Assessment non-Obligation Bonds of the Town of Huntsboro. The same being Main Street, from Railroad Street to Gregory Street. The principal items of work are approximately as follows:

Common Excavation	2400 Cu. Yds.
Concrete Paving	5250 Sq. Yds.
Rock Asphalt Paving	300 Sq. Yds.
Combined Curb and Gutter	1350 Lin. Ft.
Storm Sewers	600 Lin. Ft.

Plans and specifications are on file in the office of the Mayor at Huntsboro and in the office of the Consulting Engineers, Birmingham, Alabama. Specifications and Proposal blanks can be secured on deposit of \$5.00 from the undersigned or from the Consulting Engineers. Copy of the plans will be mailed by the Consulting Engineers on receipt of payment (not deposit) of \$10.

The right to reject any or all bids is reserved.

Cash or certified check or proposal bond for Fifteen Hundred (\$1500) Dollars, made payable to the Town of Huntsboro, Alabama, must accompany each bid as evidence of good faith, and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

G. P. WALKER, Mayor.
ROBERT L. TOTEN, INC.,
Consulting Engineers,
Birmingham, Ala.

Bids close June 6, 1928.

Sanitary Sewers

Port Gibson, Miss.

Bids will be received for the construction of a Sanitary Sewer System by the Town Clerk of Port Gibson, Miss., at five (5) o'clock P. M. June 6, 1928, in the Town Hall, at which time they will be opened and read.

Plans and specifications on file in the office of the Town Clerk and at office of P. A. O'Brien, Engineer, 411 Edwards Hotel, Jackson, Miss.

A deposit of \$15 must accompany request for plans and specifications; this amount refunded on return of plans.

Lowest or any bid not necessarily accepted.

A certified check or bid bond for \$500 must accompany each bid.

BOARD OF MAYOR AND ALDERMEN OF
PORT GIBSON, MISS.
C. R. WHARTON, Town Clerk.
P. A. O'BRIEN, Engineer.

Bids close May 28, 1928.

Sewers and Appurtenances

Towson, Md., May 4, 1928.

Sealed proposals, addressed to the County Commissioners of Baltimore County and endorsed bids for the excavation and laying of sewers and appurtenances thereto, in the vicinity of "CATONSVILLE," Contract No. 11-S, will be received at their office in the Courthouse, Towson, Md., until 11 A. M., Eastern standard time, on May 28, 1928, next, when they will be publicly opened and read.

APPROXIMATE QUANTITIES
SECTION NO. 1, HERBERT RUN SEWER
CONTRACT NO. 11-S

360 Lin. Ft. 8-inch T C Sewer.
1500 Lin. Ft. 12-inch T C Sewer.
3467 Lin. Ft. 15-inch T C Sewer.
2160 Lin. Ft. 18-inch T C Sewer.
32 Lin. Ft. 18-inch Brick and Concrete Sewer.
3670 Lin. Ft. 20-inch T C Sewer.
400 Lin. Ft. 6-inch House Connections.
34 Manholes.

2800 Cu. Yds. Rock Excavation.
The bids must be totaled and accompanied by a certified check for Two Thousand (\$2000) Dollars, payable to the County Commissioners, as a guarantee that the successful bidder will sign the contract.

A bond for an amount equal to the amount of the bid of a Surety Company satisfactory to the Commissioners will be required of the successful bidder. A copy of the Specifications, Plans and Drawings will be furnished prospective bidders on the receipt of a certified check for Twenty-five (\$25) Dollars, refund of which will only be made upon receipt of a bona fide bid and return of the specifications and drawings to the office of the Chief Engineer of the Baltimore County Metropolitan District within ten (10) days after the opening of bids and award of the contract. No specifications or drawings will be issued after May 25, 1928, next. Specifications and drawings can be seen at the office of the Chief Engineer of the Baltimore County Metropolitan District, Towson, Md., after May 11, 1928.

Consideration will be given bidder's experience (must be stated in or attached to the bid), financial standing and reputation for having done successful work of the kind specified without controversy or litigation, and the Commissioners reserve the right to reject any or all proposals or bids, or proposals or bids that contain exceedingly high or low items, or to accept any proposal or bid, or to waive technicalities, as they may deem best for the interest of the county.

BY ORDER OF THE BOARD.

JOHN R. HAUT,
Chief Clerk.

A. E. WALDEN,
Chief Engineer.

Bids close July 10, 1928.

Hydro-Electric Power Plant

Cordele, Ga., May 9, 1928.

Sealed proposals will be received at 10 A. M., Standard Eastern Time, Tuesday, July 10, 1928, by the Hydro-electric Power Commissioners of Crisp County, Georgia, in the Commissioners' office in the Courthouse in Cordele, Crisp County, Georgia, for furnishing all labor, tools, machinery, accessories, temporary buildings and structures, material, equipment and supplies and everything incident and necessary and required for the construction of a complete hydro-electric plant complete with two water-wheel-driven generators installed therein.

Plant to be located on Flint River, in Worth and Lee Counties, near Warwick, Worth County, Georgia.

INFORMATION can be obtained from: Mr. J. J. Williams, Chairman, Power Commission, Cordele, Georgia.
Emmet S. Killebrew, Chief Engineer, Albany, Ga.

J. E. Serrine & Co., Consulting Engineers, Greenville, South Carolina.

PLANS and Specifications can be secured from the Chief Engineer upon deposit of One Hundred (\$100) Dollars, Seventy-five (\$75) Dollars of which will be refunded upon return of said plans in good condition within 30 days after contract has been awarded.

All proposals shall be sealed and addressed to Mr. J. J. Williams, Chairman Power Commission, Cordele, Ga., and shall be plainly labeled on outside wrapper "Proposal Number (I)," "Proposal Number (II)," "Proposal Number (III)," conforming to bidding.

PROPOSALS ARE invited covering the following general divisions constituting this project:

UNDER NO condition or conditions will contract or contracts for hydraulic and electrical equipment covered by proposals numbers (II) and (III) be executed with any person, firm or corporation other than the manufacturer thereof.

PROPOSAL NUMBER (I)
Buildings, structures, accessories, hoisting equipment, earth-fill dams, excavation, etc., etc.

PROPOSAL NUMBER (II)
Hydraulic Machinery, including governors, oil pumps, oil tanks, piping, etc., etc., erected complete, tested and put in operation.

PROPOSAL NUMBER (III)
Electrical Machinery, accessories, switchboard, wiring, etc., etc., erected complete, tested and put in operation.

EACH bid must be accompanied by a certified check, payable to the Power Commission of Crisp County, for an amount equal

to 5% (five per cent) of the amount of the bid to guarantee that the successful bidder will, within ten (10) days from the date of notice of award of contract, enter into contract with the Power Commission of Crisp County for the performance of the work, and execute an acceptable collateral or other satisfactory bond to an amount of one hundred (100%) per cent of the contract price for the full and faithful performance and execution of all conditions of the contract, and in accordance with the plans, specifications, conditions and requirements as stipulated in call for bids. The proceeds of such checks are to become the property of the Power Commission of Crisp County, Georgia, if for any reason whatever the bidder withdraws from the competition after opening of bids, or refuses to execute the required contract and bond, if his bid is accepted.

NO BIDDER'S BOND WILL BE ACCEPTED.

Checks will be returned after the approval of the contract and bond executed with the successful bidder.

The Commission, at their discretion, may return such checks as they see fit before the signing of the contract.

NO BIDS will be considered except those who are experienced hydro-electric builders, and these shall have adequate equipment and satisfactory financial rating and be authorized to do business in the State of Georgia as required by law.

THIS project is for Crisp County, Georgia, and consists briefly of approximately:

14,000 cubic yards limestone excavation.
50,000 cubic yards earth excavation.
230,000 cubic yards earth-fill dams.
25,000 cubic yards Class "A" reinforced concrete.

500 tons structural steel.
1,000 tons reinforcing steel.
1 brick building, 40 ft. x 150 ft. x 50 ft. high.

2 3600-horsepower vertical water wheels and generators installed complete.

THE Commission reserves the right to reject any or all bids.

J. J. WILLIAMS, Chairman;
P. F. FITZGIBBONS,
Vice-Chairman;

J. W. CANNON,
JERE SLADE,
J. S. SHEPPARD,
J. A. SLOAN,
LOREN WILLIAMS,

Commissioners.
JUDGE W. P. FLEMING,
Secretary.

EMMET S. KILLEBREW,
Chief Engineer,
Albany, Georgia.
J. E. SERRINE & COMPANY,
Consulting Engineers,
Greenville, S. C.



CLASSIFIED OPPORTUNITIES



MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

FARM AND TIMBER LAND
FOR SALE—58,000 acres land in North Florida, 13,000 acres of which is well timbered, balance cut over 25 years ago. Fine agricultural land; \$8.50 per acre. Address P. O. Box 2884, St. Petersburg, Florida.

MISCELLANEOUS PROPERTIES

OPPORTUNITIES IN VIRGINIA—We are brokers for timber, coal lands, orchards, farms, country homes and business opportunities in Virginia, West Virginia and Tennessee. WHEELER & CO., Charlottesville, Va.

FARM, FRUIT AND TRUCK LANDS

FLORIDA
THE SLUMP IS OVER
For more than two years now we have been hearing "The Boom is Over." The slump is over now. Send today for booklets and list of Groves, Farms and Investments. Tampa-West Coast Realty Co. (Inc.), Opp. Post-office, "Since before the War," Tampa, Fla.

RATES AND CONDITIONS

Rate 30 cents per line per insertion. Minimum space accepted, four lines. In estimating the cost allow seven words of ordinary length to a line. When the advertisement contains a number of long words proper allowance should be made. Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, oil or mining stock advertisement accepted. Rate for special contracts covering space used as desired within one year as follows: 100 lines, 28c per line; 300 lines, 26c per line; 500 lines or more, 25c per line.

FARM, FRUIT AND TRUCK LANDS

FLORIDA

BARGAIN—10 acres, 10 minutes from New Smyrna beaches, 1 mile to P. O. and \$30,000 schoolhouse; \$10 down; \$10 mo.; bank reference. E. L. SQUIRE, Parkview Hospital, Palatka, Fla.

NORTH CAROLINA

If interested
FOR HOME OR FOR INVESTMENT
In the great and rapidly developing **STATE OF NORTH CAROLINA**, especially in its leading city, Charlotte, or in a Southern Cotton Mill or Southern Mill Stocks, write to
F. C. ABBOTT & CO.
Realtors and Investment Bankers
Nearly thirty years in Charlotte.

TENNESSEE

FOR SALE—Ten farms, with improvements (aggregating 2800 acres), suitable for tobacco, cotton, peanuts, corn and other crops. Terms to suit purchasers; 350 acres suitable for nursery or stock farm. La Fayette Life Insurance Co., Lumberton, N. C.

FARM, FRUIT AND TRUCK LANDS

TEXAS

FOR SALE—Forty thousand acres finest land winter garden of Texas; \$300 cash, balance easy. Also some of best cheap ranches—cattle, goats, sheep—\$3.50 acre up; good terms. R. J. THOMAS, Kirby Bldg., Dallas, Texas.

"TEXAS 'WINTER GARDEN' LANDS."

A subdivision in 20-40 acre tracts, cleared and irrigated; suitable for Citrus Fruits, Winter Vegetables, Staple Crops. Reasonable prices. **INVESTIGATE** our proposition TODAY.

BERMUDA LANDS COMPANY, Realtors, 501-4 Houston Building, San Antonio, Texas.

BUSINESS OPPORTUNITIES

FOR RENT—Full equipped tobacco re-drying plant, located in Georgia town of 8000 population, center tobacco belt. Write Fitzgerald Development Co., Fitzgerald, Ga.

WONDERFUL OFFERINGS in machine shop; machinery business, carload of machinery and supplies, sawmill plant complete and many other industrial plants.

OLIVER CARTER, Wilmington, N. C.

50,000 ACRES hardwood timber, mill, etc. Take some trade. I have a large Cotton Plantation to trade for tract of good timber; many other big trades. **BOB WORKMAN**, P. O. Box 3089, Tampa, Fla.

FOR SALE—A going mill and industrial mill supply business in the industrial section of Virginia. Excellent railroad and water facilities. Good reason for selling offered at a reasonable price. For full particulars, No. 6910, care of Manufacturers Record.

AN OLD WELL established machinery sales house, located in one of the best territories in the South, wants an active, aggressive salesman, one familiar with material-handling equipment, to take an active interest in the business. For full particulars No. 6909, care of Manufacturers Record.

FOR SALE—Extensive core-drilled verde antique marble deposit; complete manufacturing plant and equipment; good railroad facilities. Beautiful and rare stone, commanding a high price, with ready market. Proposition too large for present owners. Big opportunity for new organization. Paul H. Jamison, Box 405, Roanoke, Va.

INDUSTRIES WANTED

INDUSTRIES WANTED

at Buchanan, in the Valley of Virginia. On the historic James River and nationally noted highway leading from Canada and New England to the South and Southwest, twenty-five miles north of Roanoke City. 100 acres free sites on either the Norfolk & Western or Chesapeake & Ohio Railways. Splendid location for manufacturing plants such as textile goods, rayon, furniture of both hard and soft woods; unlimited electric power. Water analysis shows special fitness for textiles of all kinds. Survey shows abundant labor, both male and female. Splendid farming and dairying territory adjacent. Schools the highest standard. Banking facilities adequate for all demands. Full information furnished by Industrial Committee of Business Men's Club.

PUBLIC UTILITIES WANTED

HAVE CLIENTS with money to invest in public utilities, electric-power plants, waterworks systems and ice factories. Write George B. Baskerville, Cons. Engineer, 1616 Tenth Avenue, South, Birmingham, Ala.

INDUSTRIAL SURVEYS

ENGINEERING REPORTS on resources of cities and towns. Recommendations for industrial development made by specialists in locating industries.

TECHNICAL SERVICE COMPANY, Woolworth Building, New York City

FACTORY BUILDING

FACTORY BUILDING AVAILABLE

in Southern town of 3000 population. Two-story brick building, with 10,000 feet floor space; steam heated, sprinkler system, electric lights, large windows; located on railroad. Suitable for textile mill, hosiery mill or similar use. Healthful location, good water, sewers, paved streets; labor plentiful and cheap. Liberal co-operation of citizens. No. 6894, care of Manufacturers Record.

INDUSTRIAL PLANTS

A COMPLETELY EQUIPPED MILLWORK MANUFACTURING PLANT at Spartanburg, S. C., for rent. A wonderful opportunity to the right party. Address SPARTANBURG LUMBER MFG. CO.

FOR SALE—Factory Building on Private Switch Track. Full particulars upon request.

PIPES & JOHNSON, Realtors, 339 Carondelet St., New Orleans, La.

WE HAVE for sale or rent, located in the heart of the city. Brick Building, size 40 by 200 feet, with 2 floors and concrete basement, side track and electric elevator, suitable for any Wholesale or Manufacturing Enterprise. For particulars address

THE ARMFIELD COMPANY, Fayetteville, N. C.

OWNERS OF GOING FOUNDRY and machine shop business want to sell the foundry alone to experienced foundry executive. Good opportunity for jobbing trade in addition to regular tonnage supplied in machine shop. Average daily pour this year approximately eight and three-quarter tons. Full details upon application. Address No. 6911, care of Manufacturers Record, Baltimore, Md.

FOR SALE—Woodworking plant; buildings large and substantial; machinery modern, high speed; brick dry kilns, railroad siding. Located in good town in the Southeast on three trunk-line railroads. Mill can be operated as a planing and moulding mill or as a hardwood specialty mill. Hardwood and pine lumber and timber available. Terms to responsible parties. Address No. 6903, care Manufacturers Record, Baltimore, Md.

PATENT ATTORNEYS

FREE "PATENT PARTICULARS" Sterling Buck, over 21 years Registered Patent Attorney. Prompt and thorough services. Suite M. 629 F. Washington, D. C.

PATENTS—Booklet free. Highest references. Best results. Promptness assured. **WATSON E. COLEMAN**, Patent Lawyer, 724 Ninth St., N. W., Washington, D. C.

PATENTS—TRADEMARKS—COPYRIGHTS Charlotte office convenient to South. **PAUL B. EATON**, Registered Patent Attorney, 406 Independence Building, Charlotte, N. C., and 903 Grant Place N. W., Washington, D. C.

PATENTS AND TRADE-MARKS—Thirty years' experience rendering prompt and proper service to the manufacturing concern and individual. Submit your problem for advice. **CHANDLER & CHANDLER**, Patent Attorneys, Washington Loan & Trust Bldg., Washington, D. C.

FOREIGN AGENCY WANTED

SWISS-AMERICAN, going abroad, wishes to hear from American manufacturer desiring to establish business relations in Europe. Address No. 6901, care Manufacturers Record, Baltimore, Md.

AGENCIES WANTED

WANTED—Agency Manufacturer's Line to sell to Hardware trade of Minn., North Dak. and Northern Wis. E. S. DeLancey, Kedney Warehouse Co., Minneapolis, Minn.

SITUATIONS WANTED

AMERICAN FARM SUPERINTENDENT now employed on large farm would take full charge of large place near good market for high-grade milk. Can make certified milk and manage all departments of farm to full advantage. Experienced in growing and marketing fruit and vegetables. Address No. 6899, care Manufacturers Record.

SITUATIONS WANTED

ASSOCIATION SECRETARY, age 47, married, with twenty-five years' experience as industrial, trade and trade-promotion secretary, thoroughly familiar with organizing and supervising co-operative trade-extension campaigns, experienced public speaker and writer, experienced counsellor on labor problems, willing to locate in any part of the country; can give high-class references. For detailed information, references, etc., address No. 6907, care of Manufacturers Record, Baltimore, Md.

PAVING SUPT. wants job as foreman, asphalt roller, plant man or anything connected with paving, sewer, grade culverts, etc.; can give results; give me a chance; location immaterial. Robt. Brock, 40 W. Ashley Street, Jacksonville, Fla.

EXECUTIVE, with 20 years' experience as manager and treasurer of large Southern plants, at present employed, but wishing change for satisfactory reasons. Has thorough knowledge of plant management, accounts and finance, purchases and sales, and desires connection with firm, preferably in the South, needing an executive with ability and initiative who can produce results. Address No. 6912, care Manufacturers Record.

MEN WANTED

WANTED—A layerout with experience in all kinds of Plate work, including blast furnaces, who is capable of taking charge of layingout department. Give age, salary expected, experience and references in first letter. This is a permanent connection with a large corporation in a Southern city. In reply refer to No. 6900, care of Manufacturers Record, Baltimore, Md.

SALESMAN WANTED—Our proposition offers greater earning possibilities to the real salesman than is offered to him in most any other line. A credit and collection service with a bonded recovery obligation. American Security Credit Company, General Offices, St. Louis, Mo.

IF YOU ARE OPEN to overtures for new connection and qualified for a salary between \$2500 and \$25,000, your response to this announcement is invited. The undersigned provides a thoroughly organized service, of recognized standards and reputation, through which preliminaries are negotiated confidentially for positions of the caliber indicated. The procedure is individualized to each client's personal requirements; your identity covered and present position protected. Established seventeen years. Send only name and address for details.

R. W. BIXBY, INC., 103 Downtown Bldg., Buffalo, New York.

CONTRACT WORK WANTED

PLATE WORKING MACHINERY—a complete line.

General and Special Machinery. Castings: Grey Iron and Semi-Steel, any size up to 40,000 lbs. Brass, Bronze and Aluminum to 10,000 lbs. **COVINGTON MACHINE COMPANY, INC.**, Engineers Founders Machinists Covington, Va.

MACHINERY AND SUPPLIES

FOR SALE—Two Ingersoll-Rand, 12x12, Class E. R. I., air compressors, \$500 each, F. O. B. Car.

J. B. PURCELL, Scott, Miss.

ENGINEERING INSTRUMENTS For Sale. Several high-grade transits and other instruments practically new for sale at sacrifice. For description and prices address "Arch," Box 546, Orlando, Fla.

FOR SALE—One 125 h.p. Bessemer oil engine. This engine has had a lot of new parts put in it, and should give years of service. Have discontinued the use of it on account of favorable electric rate. **HICO ICE & COLD STORAGE COMPANY**, Hico, Texas.

ICE-MAKING AND REFRIGERATING MACHINERY—New and rebuilt. Our prices on new Waynesboro Refrigerating Equipment and Household Electric Refrigerators very low. Buy direct from the manufacturer. All sizes. Get our prices on your requirements. **GEISER MANUFACTURING COMPANY**, "Department E," Waynesboro, Pa.

*United States District Court
Northern District of Alabama*

RECEIVER'S SALE

**CHEROKEE ROCK ASPHALT COMPANY
THE ROCK ASPHALT CORPORATION
ASPHALT PLANT, CHEROKEE, ALABAMA**

To be Sold as a Complete Unit.

At 12.00 noon, June 25, 1928

At the Court House Door, in Tuscumbia, Colbert
County, State of Alabama.

The plant is located in the Eastern suburbs of the town of Cherokee, Colbert County, Alabama, twenty-five miles West of Wilson Dam and Muscle Shoals, in the natural sandstone asphalt belt of Northern Alabama. Material of this section has natural bitumen content, suitable and used for paving purposes. The mineral aggregate of this product is a natural mixture which makes a very desirable paving product.

The property, plant and all assets, with quarry equipment, is offered for sale, as a unit, subject to confirmation by the Court.

Sale by public outcry at above place and date, free of liens; terms, cash in hand or one-third cash, balance two equal payments six and twelve months.

Prospective purchasers may call at the plant office before the above date of sale, and facilities will be afforded for complete inspection of the properties.

For further information, address

W. R. STRICKLAND, Receiver
CHEROKEE, COLBERT COUNTY ALABAMA

TO ANY TOWN WANTING A COTTON MILL

*Complete Mill—either an equipment or turn key job
of complete mill from start to finish*

I have for sale a complete spinning equipment of thoroughly modern machinery to make single or two ply yarns on 30s to 40s—20,000 spindles which can be furnished in one unit or in two units of 10,000 spindles each. Or can furnish with 40-inch Draper Looms to make print cloths. I can furnish this machinery at very reasonable price to any mill wanting machinery or will build a mill complete from start to finish using this machinery—at a price of \$40.00 per spindle on two ply yarns or \$42.50 per spindle on print cloth.

If desired can furnish practical men to operate mill, who will subscribe for five per cent of the capital stock of the mill and I can myself take or place an additional five per cent.

J. H. McADEN

200 South Cedar St.
CHARLOTTE, N. C.

303 McDuff Building
PAWTUCKET, R. I.

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Danville, Virginia

(Branch of Randolph-Macon System)

Located in famous Piedmont Section of Virginia, one hundred and fifty miles southwest of Richmond.

Offers courses which meet maximum college entrance requirements. Certificate accepted. Post-graduate courses for those who wish additional preparation.

Piano, Voice, Violin, Art and Expression.

Experienced instructors.

Ideal school home. Modern conveniences. Large campus. Tennis, basketball, golf, etc.

Catalog gladly furnished.

John C. Simpson, A. M., Principal



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ELECTRICAL MACHINERY

Motors and Generators, A.C. and D.C. For Sale at attractive prices. Large stock of New and Rebuilt Motors on hand at all times. Write for our stock list and prices.

V. M. NUSSBAUM & CO.

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Bargains in Motors

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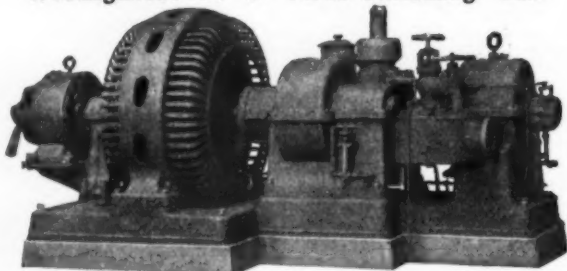
Motors, all sizes, transformers, re-built electrical equipment all kinds. Bargain Prices. Glow's Guaranteed Big Bargain Stock List No. 37 free upon request. Established 1905.
THE GLOW ELECTRIC CO.
15 E. 2d St. Dept. O-2 Cincinnati O.

200 LB. PRESSURE BOILERS

2—Babcock & Wilcox Class M-30 Stirling Water Tube Boilers, 823 H.P., 200 lbs. pressure, A.S.M.E. code, with Westinghouse 8-retort underfeed stokers. Used six or eight months. Complete and good condition.

NASHVILLE INDUSTRIAL CORP.
Old Hickory, Tenn.

Westinghouse D. C. Turbo-Generating Unit



150 KW 125/250 Volt 3 wire 600 Amp. 900 RPM Type SK generator geared to non-condensing turbine, complete with switchboard.

JUST ONE OF MANY UNITS LISTED IN OUR BULLETIN NO. 34—SEND FOR YOUR COPY

ROCKFORD POWER MACHINERY CO.

620-626 Sixth Street

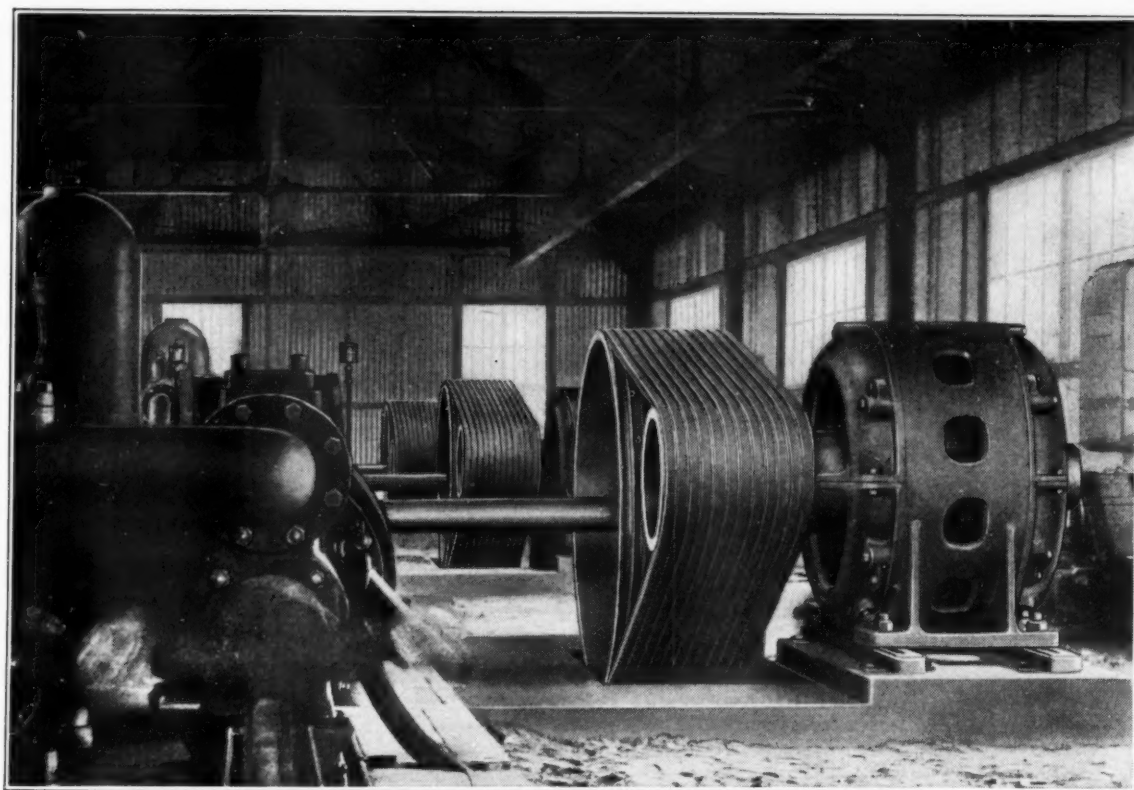
Rockford, Illinois

OPPORTUNITY

Have you a used engine, air compressor, rails or equipment of any kind you are not using? Here is your opportunity to turn them into cash. Use our Resale Department for good results.

Manufacturers Record

Baltimore, Md.



Three 150 H.P. Texrope Drives and 865 R.P.M. Type "AN" Allis-Chalmers Motors operating oil pipe line pumps—one of many such installations in the State of Texas.



PRODUCTS:

Electrical Machinery
 Steam Turbines
 Condensers
 Steam, Gas and
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 Hydraulic Turbines
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A Combination Unequalled!

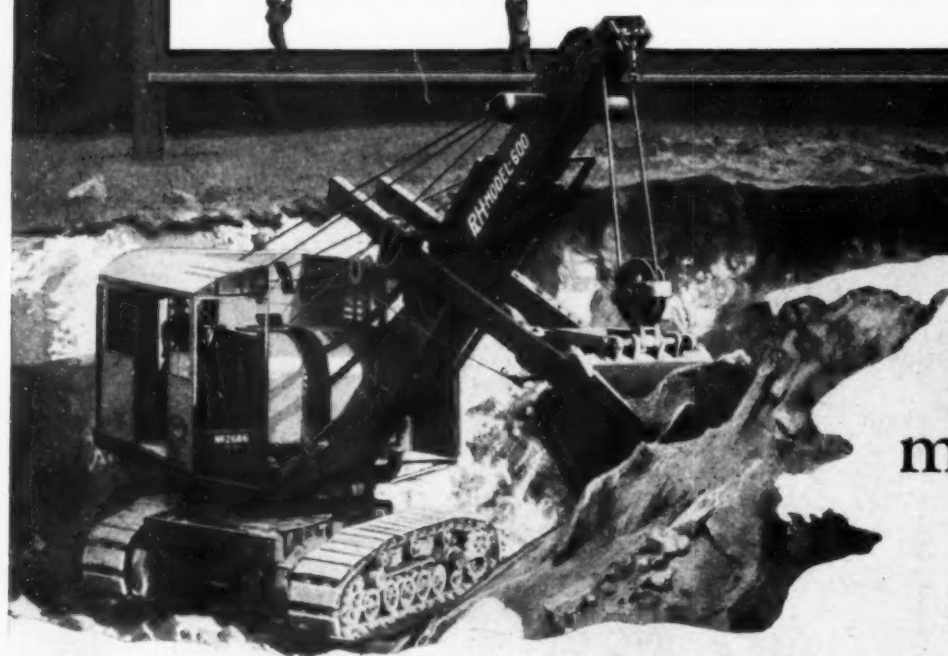
Allis-Chalmers Motors and Texrope Drives are specified where continuity and smoothness of operation are desired. The heavy duty motors are provided with bearings of liberal size and they are built to stand hard and continuous service. The Texrope Drives are efficient and economical power transmitting units. They may be operated on close centers, thus saving construction and housing expense. In addition to this the Texropes are flexible and act as a cushion between the driver and the driven machine.

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2300TH P&H
 IS SERVING ITS OWNER



There are
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 Gasoline
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 Excavators in
 Service than
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P&H

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Birmingham	Kansas City	Charlotte	Baltimore	Memphis
Boston	Jacksonville	Minneapolis	Des Moines	
Los Angeles	Seattle	St. Louis	Cleveland	
WAREHOUSES AND SERVICE STATIONS				
Philadelphia, Memphis, Jacksonville, Francisco, Los Angeles, Seattle				

